

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:25:46 ; Search time 66 Seconds  
(without alignments)  
4975.592 Million cell updates/sec

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgactttgatgacaagat.....caaatattgcaaatag 744

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents NA.\*  
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2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
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5: /cgn2\_6/ptodata/1/ina/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	287.2	38.6	1897	3	US-09-352-302-1
5	287.2	38.6	1906	2	US-08-809-494A-3
6	287.2	38.6	1906	3	US-09-352-302-3
7	72.4	9.7	990	2	US-08-688-342-2
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14	45.2	6.1	5661	4	US-08-938-105-2
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26	38	5.1	3489	4	US-09-298-568-1
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31 37.6 5.1 1212 3 US-09-591-435-9 Sequence 9, Appl  
32 37.6 5.1 1312 4 US-09-517-605-1 Sequence 1, Appl  
33 37.6 5.1 2463 4 US-09-352-991A-6775 Sequence 6775, Ap  
c 34 37 5.0 299 4 US-09-313-294A-7035 Sequence 7035, Ap  
35 36.6 4.9 2448 4 US-09-620-312D-64 Sequence 64, Appl  
36 36.6 4.9 2680 2 US-08-533-306A-5 Sequence 5, Appl  
37 36.6 4.9 2680 2 US-08-742-923A-5 Sequence 5, Appl  
38 36.6 4.9 2874 4 US-09-620-312D-10 Sequence 10, Appl  
39 36.6 4.9 2887 2 US-08-533-306A-3 Sequence 3, Appl  
40 36.6 4.9 2887 2 US-08-742-923A-3 Sequence 3, Appl  
41 36.6 4.9 3045 4 US-09-620-312D-9 Sequence 9, Appl  
42 36.6 4.9 3069 4 US-09-620-312D-11 Sequence 11, Appl  
43 36 4.8 533 6 5482709-5 Patent No. 5482709  
44 36 4.8 543 6 5273901-6 Patent No. 5273901  
45 35 4.7 471 4 US-09-370-838-278 Sequence 278, App

## ALIGNMENTS

RESULT 1  
US-08-809-494A-5  
; Sequence 5, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 5:  
; LENGTH: 1318 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo Sapiens

TISSUE TYPE: Lung, placenta  
IMMEDIATE SOURCE: Human lung cDNA  
LIBRARY: lambdaLOX-1  
CLONE: lambdaLOX-1  
NAME/KEY: 5'UTR  
LOCATION: 66..125  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 949..1309  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 127..948  
US-08-809-494A-5

Query Match 40.1%; Score 298.2; DB 2; Length 1318;  
Best Local Similarity 72.6%; Pred. No. 2.1e-82;  
Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

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DB 384 AGCCCGGCAACAGCAGAGAGCTTCACAGGAGTCAGAAACGAACTCAAGGAATGAT 443  
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DB 504 GAATCTGAATCTCCAGAAACACTGAAGAGAGTAGCAAAATTTTCAGCTCTTGTCCGCA 563  
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QY 720 GAAGACAAATC 730  
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RESULT 2  
US-09-352-302-5  
Sequence 5, Application US/09352302  
Patent No. 6197937  
GENERAL INFORMATION:  
APPLICANT: Sawamura, Tatsuya  
TITLE OF INVENTION: Modified Low-Density Lipoprotein  
TITLE OF INVENTION: Receptor  
NUMBER OF SEQUENCES: 8  
ADDRESS: McAulay Fisher Nissen Goldberg & Kiel  
STREET: 261 Madison Avenue

CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/352.302  
FILING DATE: 12-JUL-1999  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1318 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLSCULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo Sapiens  
TISSUE TYPE: Lung, placenta  
IMMEDIATE SOURCE:  
LIBRARY: Human lung cDNA  
CLONE: lambdaLOX-1  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 66..125  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 949..1309  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 127..948  
US-09-352-302-5

Query Match 40.1%; Score 298.2; DB 3; Length 1318;  
Best Local Similarity 72.6%; Pred. No. 2.1e-82;  
Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

QY 183 AGCCCTGCAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
DB 384 AGCCCGGCAACAGCAGAGAGCTTCACAGGAGTCAGAAACGAACTCAAGGAATGAT 443  
QY 243 AGACACCTCACCCTTGAAGCTGAAACGAGAAATCCAAAGAGCAGGAGGCTTCTACAGAA 302  
DB 444 AGAACCCTTGTCTCGGAGCTGATGAGAAATCCAAAGAGCAATGGAATTCACCAACA 503  
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Db 924 GAAGGCAAC 934

## RESULT 3

US-08-809-494A-1

; Sequence 1, Application US/08809494A

; Patent No. 5962260

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; TITLE OF INVENTION: Receptor

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/809,494A

; FILING DATE: 24-MAR-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1897 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: Bos taurus  
; TISSUE TYPE: Vascular endothelial cells  
; IMMEDIATE SOURCE:  
; LIBRARY: Bovine aortic endothelial cell cDNA  
; CLONE: pBLOX-1  
; FEATURE:  
; NAME/KEY: polyA site  
; LOCATION: 1880..1897  
; FEATURE:  
; NAME/KEY: misc RNA  
; LOCATION: 1859..1864  
; OTHER INFORMATION: /function= "PolyA Signal"  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..34  
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; NAME/KEY: 3'UTR  
; LOCATION: 848..1897  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 35..847  
; US-08-809-494A-1

Query Match 38.6%; Score 287.2; DB 2; Length 1897;

Best Local Similarity 71.0%; Pred. No. 6.4e-79;

Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

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Db 280 AGCCAGCGCGATCAGAAAATCTGCCAGAGTACAGAGAGAACTCAAGAGAAATGAT 339  
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Db 460 AGACTGCTCTGCATGAGAAAACCTGTACCATTTTCTCTGGCTCTTTTAATGGGA 519  
Qy 420 AAAAAACCGCAGACCTGCGCAATCTTTGGGTGCCAGTTACTACAAATTAATGGTGAGA 479  
Db 520 AAAAAAGCAGAGAACTGCTTGTCTTTGGATGCCACTTGTCTGAAGATTAATAGCACAGA 579  
Qy 480 TGATCTGACATTCATCTTACAGCAATTTCCCATACCACTCCCATCTCTGGATTGATT 539  
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Db 700 CTTGTTTAGAATTCAGGGAGCTGTTTCCCGATGATATCTTTCAGGGACCTGTGCATATAT 759  
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Qy 720 GAAGACAAATCATTTG 735  
Db 820 GAAGGCAATCTATTG 835

## RESULT 4

US-09-352-302-1

; Sequence 1, Application US/09352302

; Patent No. 619937

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352,302  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1897 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Bos taurus  
 ; TISSUE TYPE: Vascular endothelial cells  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: Bovine aortic endothelial cell cDNA  
 ; CLONE: pBLOX-1  
 ; FEATURE:  
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 ; LOCATION: 1880..1897  
 ; FEATURE:  
 ; NAME/KEY: misc RNA  
 ; LOCATION: 1859..1864  
 ; OTHER INFORMATION: /function= "PolyA Signal"  
 ; FEATURE:  
 ; NAME/KEY: 5'UTR  
 ; LOCATION: 1..34  
 ; FEATURE:  
 ; NAME/KEY: 3'UTR  
 ; LOCATION: 848..1897  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 35..847  
 ; US-09-352-302-1

Query Match 38.6%; Score 287.2; DB 3; Length 1897;  
 Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;  
 QY 183 AGCCCTGCAGAGCTCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGAT 242

Db 280 AGCCAGCGCGATCAGAAAATCTGCCAGAGTTCACAGAGGAAGTCAAGAAATGAT 339  
 QY 243 AGACACCTCTACCTTGAAGCTGAACGAGAAATCCAAAGAGAGAGGAGCTTCTACAGAA 302  
 Db 340 AGAAACCTTGCACCAAGCTGGATGAGAAATCCAAAGAACTTAATGGAATTCACCGCA 399  
 QY 303 GAATCAGAACTCCAAAGAGCGCTTCAAGAGAGCTTCAAACTTTTCAGGTCTCTTGTCCACA 362  
 Db 400 GAACCTGAATCTCCAAGAGTCTGAAGAGCGAGCAAACTATTTCAGGTCTTGTCCCA 459  
 QY 363 AGACTGGCTCTGGCATAAAGAAACTGTATCC---TCTTCCATGGGCCCTTTGGCTGGGA 419  
 Db 460 AGACTGGCTCTGGCATGAAGAAACTGTATCCAAATTTTCTCTGGCTCTTTTAATTGGGA 519  
 QY 420 AAAAAACCGGAGAGCTGCGCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTTGCAGA 479  
 Db 520 AAAAAAGCCAGGAGAACTGCTTGTCTTTGGATGCCCACTTGTCTGAAGATTAATAGCACA 579  
 QY 480 TGATCTGACATTCATCTTACAAAGCAATTTCCATACCACTCCCTCCCTTCTGGATTGGATT 539  
 Db 580 TGAATGGAATTCATCCAGCAATGATTCCTTCCCTTCCCTTCTGGATGGGTT 639  
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 Db 820 GAAGCGAATCTATTG 835

RESULT 5  
 US-08-809-494A-3  
 ; Sequence 3, Application US/08809494A  
 ; Patent No. 5962260  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/809,494A  
 ; FILING DATE: 24-MAR-1997  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E

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/
/   REGISTRATION NUMBER: 24408
/   REFERENCE/DOCKET NUMBER: JG-YY-4363PCT
/   TELECOMMUNICATION INFORMATION:
/   TELEPHONE: 212 986-4090
/   TELEFAX: 212 818-9479
/   INFORMATION FOR SEQ ID NO: 3:
/   SEQUENCE CHARACTERISTICS:
/   LENGTH: 1906 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/   MOLECULE TYPE: cDNA
/   HYPOTHETICAL: NO
/   ANTI-SENSE: NO
/   ORIGINAL SOURCE:
/   ORGANISM: Bos taurus
/   TISSUE TYPE: Vascular endothelial cells
/   IMMEDIATE SOURCE:
/   LIBRARY: Bovine aortic endothelial cells cDNA
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/   NAME/KEY: polyA site
/   LOCATION: 1889..1906
/   FEATURE:
/   NAME/KEY: misc RNA
/   LOCATION: 1864..1873
/   OTHER INFORMATION: /function= "PolyA Signal"
/   FEATURE:
/   NAME/KEY: 5'UTR
/   LOCATION: 1..34
/   FEATURE:
/   NAME/KEY: 3'UTR
/   LOCATION: 857..1906
/   FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 35..856
/   US-08-809-494A-3
/
/   Query Match      38.6%; Score 287.2; DB 2; Length 1906;
/   Best Local Similarity 71.0%; Pred. No. 6.4e-79;
/   Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;
/
/   Qy 183 AGCCCTGAGAGAGTGCAAACTCTTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGAT 242
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 289 AGCCAGGCGGATCAGAAAAATCTGCCAGGAGTCACAGAGGAAGAACTCAAGGAATGAT 348
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 243 AGACACCTCCTTGAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAGAA 302
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 349 AGAAACCCCTTCCCAACAAGCTGGATGAGAAATCCAAAGAACTAATGGAACCTCACCGCA 408
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 303 GAATCAGAACTCCAAAGAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCTCTGTCCACA 362
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 409 GAACCTGATCTCCAGAGTCTTGAAGAGGAGCAAACTATTTCAGTCTCTGTCCCA 468
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 363 AGACTGGCTGTGGATAAGAAAACTGTTACC---TCPTTCATGGGCCCTTTGGCTGGGA 419
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 469 AGACTGGCTGTGGATGAAGAAAACTGTTACCAATTTTCCCTCTGGCTCTTTTAATGGGA 528
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 420 AAAAAACCGCAGACCTCCCAATCTTGGGTGGCCAGTTACTACAAATTATGTGCAGA 479
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 529 AAAAAAGCCAGAGAACTGCTGTCTTGGATGGCCACTTGTGAAGATTAAATGACAGA 588
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 480 TGATCTGACATTCATTACAGCAATTTCCCATACACACTCCCACTTCGATTCGATGGATT 539
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 589 TGAAGTGAATTCATCCAGCAATGATTCGCCATTCAGTTCCCTTCTGGATGGGTT 648
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 540 GCATCGGAAGAGCTGCGCCCAACCATGGCTATGGGAGAAATGGAACCTCTTTGAATTTCA 599
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 649 GTCAATGAGGAACCCCAATTACTCGTGGCTTTGGGAAGATGGTACTCTCTTTGACGCCCA 708
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 600 ATTTCTTTAAGACCGAGGCGGCTTTTACACATATATTCACAGCACTGTGTGATACCT 659
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/   Qy 709 CTTGTTTAGAATTCAGGAGCTGTTTCCCGTATGTATCTCTTCAGGAGCCTGTGCATATAT 768
/   Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
/
/   RESULT 6
/   US-09-352-302-3
/   ; Sequence 3, Application US/09352302
/   ; Patent No. 6197937
/   ; GENERAL INFORMATION:
/   ; APPLICANT: Sawamura, Tatsuya
/   ; APPLICANT: Masaaki, Tomoo
/   ; TITLE OF INVENTION: Modified Low-Density Lipoprotein
/   ; TITLE OF INVENTION: Receptor
/   ; NUMBER OF SEQUENCES: 8
/   ; CORRESPONDENCE ADDRESS:
/   ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel
/   ; STREET: 261 Madison Avenue
/   ; CITY: New York
/   ; STATE: NY
/   ; COUNTRY: USA
/   ; ZIP: 10016-2391
/   ; COMPUTER READABLE FORM:
/   ; MEDIUM TYPE: Floppy disk
/   ; COMPUTER: IBM PC compatible
/   ; OPERATING SYSTEM: PC-DOS/MS-DOS
/   ; SOFTWARE: Patent In Release #1.0, Version #1.30
/   ; CURRENT APPLICATION DATA:
/   ; APPLICATION NUMBER: US/09/352,302
/   ; FILING DATE: 12-JUL-1999
/   ; CLASSIFICATION:
/   ; PRIOR APPLICATION DATA:
/   ; APPLICATION NUMBER: JP 6-321705
/   ; FILING DATE: 30-NOV-1994
/   ; PRIOR APPLICATION DATA:
/   ; APPLICATION NUMBER: JP 7-214206
/   ; FILING DATE: 31-JUL-1995
/   ; ATTORNEY/AGENT INFORMATION:
/   ; NAME: Goldberg, Jules E
/   ; REGISTRATION NUMBER: 24408
/   ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D
/   ; TELECOMMUNICATION INFORMATION:
/   ; TELEPHONE: 212 986-4090
/   ; TELEFAX: 212 818-9479
/   ; INFORMATION FOR SEQ ID NO: 3:
/   ; SEQUENCE CHARACTERISTICS:
/   ; LENGTH: 1906 base pairs
/   ; TYPE: nucleic acid
/   ; STRANDEDNESS: single
/   ; TOPOLOGY: linear
/   ; MOLECULE TYPE: cDNA
/   ; HYPOTHETICAL: NO
/   ; ANTI-SENSE: NO
/   ; ORIGINAL SOURCE:
/   ; ORGANISM: Bos taurus
/   ; TISSUE TYPE: Vascular endothelial cells
/   ; IMMEDIATE SOURCE:
/   ; LIBRARY: Bovine aortic endothelial cells cDNA
/   ; CLONE: pBLOX-1
/   ; FEATURE:
/   ; NAME/KEY: polyA site
/   ; LOCATION: 1889..1906
/   ; FEATURE:
/   ; NAME/KEY: misc RNA
/   ; LOCATION: 1864..1873
/   ; OTHER INFORMATION: /function= "PolyA Signal"
/   ; FEATURE:
/   ; NAME/KEY: 5'UTR
```

LOCATION: 1..34  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 857..1906  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 35..856  
US-09-352-302-3

Query Match 38.6%; Score 287.2; DB 3; Length 1906;  
Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

QY 183 AGCCCTGCAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
DB 289 AGCCAGCGCGGATCAGAAAATCTGCCAGGAGTCCAGAGAACTCAAGAAATGAT 348  
QY 243 AGACACCTCACCCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGCTTCTACAGAA 302  
DB 349 AGAACCTTGGCCACAGCTGGTGAAGATCCAGAACTAATGGAATTCACGCCA 408  
QY 303 GAATCAGAACTCAAGAGCCCTGCAAGAGCTGCAAACTTTTCAGGCTTGTTCACA 362  
DB 409 GAACCTGAATCTCCAAGAGTCTGAAAGAGGCGCAAACTATTTCAGGCTTGTTCGCCA 468  
QY 363 AGACTGCTCTGGCATAAAGAACTGTTACC--TCTTCCATGGGCGCTTGGCTGGGA 419  
DB 469 AGACTGCTCTGGCATAAAGAACTGTTACCATTTTCTCTGGCTCTTTTAATTTGGGA 528  
QY 420 AAAAAACCGGACAGCTGCCAACTTTTGGGTGGCCAGTTACTACAAATTAATGGTGAGA 479  
DB 529 AAAAAAGCAGGAGAACTGCTTGTCTTGGATGCCACTTGTCTGAAGATTAATAGCACAGA 588  
QY 480 TGATCTGACATTCATCTTAAGCAATTTCCCATACACCTCCCATTTCTGGATTTGGATT 539  
DB 589 TGAACCTGGAATTCATCCAGCAAAATGATGCCCCATTTCCAGTTTCCCTTCTGGATGGGTT 648  
QY 540 GCATCGGAAGAGCTGGCCCAACCATGCTATCGGAGATGGAACCTCTTGAATTTTCA 599  
DB 649 GTCATAGGAAGAACCCCAATTAATCTGCTGCTTGGAGATGGTACTCTTTGACGCCCA 708  
QY 600 ATCTTTTAAGACAGGCGGCTTTCTTTACAGCTATATTTATCAAGCAACTGTGCATACCT 659  
DB 709 CTGTGTTTGAATTCAGGAGCTGTTTCCCGTATGATATCTTTCAGGAGCTGTGCATAT 768  
QY 660 TCAAGCAGGAGCTGTGCTGCTGAAACTGCATCTTAATTTGCAATTCAGCATATGTAGAA 719  
DB 769 TCAAGGCGGAACTGTTTTTCTGGAAGAACTGCATTTTAACTGCAATTCAGTATATGTCAAAA 828  
QY 720 GAAGACAAATCATTTG 735  
DB 829 GAAGGCGAATCTATTG 844

RESULT 7  
US-08-688-342-2  
Sequence 2, Application US/08688342  
Patent No. 5871964

GENERAL INFORMATION:  
APPLICANT: Au-Young, Janice  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Goli, Surya K.  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: US  
ZIP: 94304  
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/688,342  
FILING DATE: Filed Herewith  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 990 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: MMLR1D101  
CLONE: 515847  
US-08-688-342-2

Query Match 9.7%; Score 72.4; DB 2; Length 990;  
Best Local Similarity 52.8%; Pred. No. 1.4e-12;  
Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

QY 344 TTTCAGGTCTTGTCCACAGACTGGCTCTGGCATAAAGAAACCTGTACCTCTTCCATG 403  
DB 283 TTTCAGGCTTGTCTCTCTTAATGGATTATATAGAAAGAGCTGTATCTATTACGA 342  
QY 404 GCGCCCTT---TGGCTGGGAAAAAACCGGAGACCTGCCAATCTTTGGGTGGCCAGTTAC 460  
DB 343 TGTCACTAAATTCCTGGGATGGAAGTAAAGACAATGCTGGCACTGGGCTCTAATCTCC 402  
QY 461 TACAATTAATGGTGACATGATCTGACATTCATCTT---ACAAGCAATTTCCCATACA 517  
DB 403 TAAAGATAGACAGCTCAAAATGAATTTGGGATTTATAGTAAACCAAGTCTTCTCCCACTG 462  
QY 518 CCTCCCACTTCTGGATTGGATTCGATCGAAGAACCTGGCCCAACCATGGCTATGGGAGA 577  
DB 463 ATAATTCATTTGGATAGGCTTTCTCGCCCCAGACTGAGGTACCATGGCTCTGGAGG 522  
QY 578 ATGGAACCTCTTTGAATTTTCAATTTTCAATTTTAAAGACAGGGGGCTTTCTTTACAGCTATT 637  
DB 523 ATGGATCAACATCTCTTCTAACTTATTTCAGATCAGAACCAACAGCTACCCCAAGAAACC 582  
QY 638 CATCAAGCAACTGTGCATACCTTCAGAGCGGAGCTGTCTGCTGAAACATGCAATCTTAA 697  
DB 583 CATCTCCAAATTTGTGTATGGATTACGTTGTCAGTCAATTTATGACCAACTGTGTGTGTC 642  
QY 698 TTGCATTGAGCATATGTCAGAAAG 723  
DB 643 CCTCATATAGTATTTGTGAGAGAG 668

RESULT 8  
US-09-113-788-2  
Sequence 2, Application US/09113788  
Patent No. 5969104

GENERAL INFORMATION:  
APPLICANT: Au-Young, Janice  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Goli, Surya K.  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive



```
RESULT 10
US-08-772-440-7
; Sequence 7, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 528 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-772-440-7

Query Match      8.2%; Score 61.2; DB 3; Length 528;
Best Local Similarity 48.2%; Pred. No. 2.9e-09;
Matches 236; Conservative 0; Mismatches 248; Indels 6; Gaps 2;

QY 239 AGATAGACACCTTCAAGCTGAAAGAGTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTAC 298
DB 35 AGAAGACAACTTCTATCAGAATAAAGAGAACCAAGCCACAGAAATCATCTTTAG 94
QY 299 AGAAGAAATCAGAACTTCCAAAGAGCCTGCAAGAGCTGCAAACTTTTCAGGTCCTTGTG 358
DB 95 ATGAGAAGTGGTCCCTCCCAAGCATCCCAAACTACAGGAGGTTTCTCAGTCTTGC 154
QY 359 CACAAGACTGGCTTGCATTAAGAAACTGTTACCTCTT---CCATGGGCCCTTTGGCT 415
DB 155 TTCTTAATGGATCATCGATGGGAAGAGCTGTTACCTATTAGCTTCTCAGGAAATTCCT 214
QY 416 GGGAAAAAACCGGCAGACCTGCCAAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTG 475
DB 215 GGTATGGAATGAGACATGCTCCAGCTAGTGTCTATCTACTGAAGTAGACAACT 274
QY 476 CAGATGATCTGACATTCATCTTA---CAAGCAATTTCCCATACACCTCCCAATTCGGA 532
DB 275 CAAAGAAATTTAGTTCATTGAAAGCAACATCGTCTCACCGTATTAAATGCAATTTGGA 334
QY 533 TTGGAATTCGGAAGAGCCTGGCCAAACCATGGCTATCGGAGATGGAATCTCCTTTGA 592
DB 335 TAGGCTTTTCCCGCAATCAGAGTGAAGGGCCATGGTTCTCGGAGGATGATCAGATTC 394
QY 593 ATTTCAATTTTAAAGACAGGGCGTCTTTTACAGCTATATTATCATCAAGCAACTGTG 652

US-08-772-440-1
; Sequence 1, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2298 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-772-440-1

Query Match      8.2%; Score 61.2; DB 3; Length 2298;
Best Local Similarity 48.2%; Pred. No. 6.2e-09;
Matches 236; Conservative 0; Mismatches 248; Indels 6; Gaps 2;

QY 239 AGATAGACACCTTCAAGCTGAAAGAGTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTAC 298
DB 327 AGAAGACAACTTCTATCAGAATAAAGAGAACCAAGCCACAGAAATCATCTTTAG 386
QY 299 AGAAGAAATCAGAACTTCCAAAGAGCCTGCAAGAGCCTGCAAACTTTTCAGGTCCTTGTG 358
DB 387 ATGAGAAGTGGCTCCCTCAGAGGATCCCAAACTACAGGAGGTTTCTCAGTCTTGC 446
QY 359 CACAAGACTGGCTCTGGCATAAAGAAACTGTTACCTCTT---CCATGGGCCCTTTGGCT 415
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Db 447 TTCCTAATTGGATCATGATGGGAAGAGCTGTTACCTATTAGCTTCTCAGAAATTCCT 506  
Qy 416 GGGAAAAAACCAGCAGACCTGCCAAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTG 475  
Db 507 GGTATGGAAGTAAGAGACACTGCTCCAGTAGTGTCTCACTACTGAAGATAGACAACT 566  
Qy 476 CAGATGATCTGACATTCATCTTA---CAAGCAATTTCCATACACCACTCCCATTTCTGGA 532  
Db 567 CAAAGAATTTGAGTTCAATTGAAGCCAAACATCTCTCACCGTATTAAATGATTTTGGGA 626  
Qy 533 TTGGATTCATCGGAAGAGCTGGCCAAACCACTGATGGAGATGGAATCCTCTTTGA 592  
Db 627 TAGGCTTTCCCGCAATCAGAGTGAAGGCCCAATGTTCTGGAGATGATCAGCAATCT 686  
Qy 593 ATTTTCAATTTCTTTAAGACCAAGGGCGTTTCTTTACAGCTATATTATCATCAAGCAACTGTG 652  
Db 687 TCCCAACTCGTTTCAAGTCAGAAATACAGTTCCCGAGGAAGCTTACTGCACAAATGTG 746  
Qy 653 CATACCTTCAAGACGAGCTGTGTTGGCTGAAACTGCATTTCTAATTCGATTCAGCATAT 712  
Db 747 TATGATTCATGGATCAGAGGTCTACAAACCAATCTGCAATACTTCTTCATACATATCT 806  
Qy 713 GTCAGAAGNA 722  
Db 807 GTGAGAAGGA 816

RESULT 12  
US-08-232-463-14/c  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:

; CLONE: pTZgpt-Fls  
US-08-232-463-14  
Query Match 8.0%; Score 59.4; DB 1; Length 7218;  
Best Local Similarity 4.9%; Pred. No. 4.1e-08;  
Matches 18; Conservative 211; Mismatches 142; Indels 0; Gaps 0;  
Qy 10 GATGACAAGATGAAGCTTCGGAATGACGAGCCTGATCAGAACTCATGTGCAAGAAGCCT 69  
Db 1397 RRR 1338  
Qy 70 AAAGAGAGTCCCAAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAGCTGAC 129  
Db 1337 RRR 1278  
Qy 130 GAGAAATCCAAAGAGAGAGAGGAGCTTCTGCAGATGATTCAGAACTCCCAAGAGCCTG 189  
Db 1277 RRR 1218  
Qy 190 CAGAGAGCTCAAACTCTTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACAC 249  
Db 1217 RRR 1158  
Qy 250 CTCACCTTGAAGCTGAACGAGAAATCAAAGAGAGAGGAGCTTCTACAGAAGATCAG 309  
Db 1157 RRR 1098  
Qy 310 AACCTCAAGAAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCTCTTCTCCCAAGAGCTGG 369  
Db 1097 RRR 1038  
Qy 370 CTCGGCATAA 380  
Db 1037 CTCGGAATTA 1027  
RESULT 13  
US-08-772-440-9  
; Sequence 9, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; TITLE OF INVENTION: LECTINS, DEXTIN-1 AND DEXTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772,440  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTXD:493  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 378 base pairs

TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-772-440-9

Query Match 6.7%; Score 49.6; DB 3; Length 378;  
Best Local Similarity 51.3%; Pred. No. 9.3e-06;  
Matches 115; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

QY 499 CAAGCAATTTCCATACACCTCCCATCTCTGGATTGGATTGTCATCGGAAGAAGCCCTGGC 558  
DB 151 CAAACATCGTCTCACCGTATTAATGATTTTGGATAGGCGCTTTCCCGCAATCAGAGTGAA 210  
QY 559 CAACCATGGCTATGGGAGATGAACCTCTTTGAAATTTTCAATCTTTAAGACCGAGGGC 618  
DB 211 GGGCCATGGTCTTGGGAGGATGGATCAGCATCTTCCCCAACCTCGTTTCAAGTCAGAAAT 270  
QY 619 GTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAAGACGGAGCTGTGTTTC 678  
DB 271 ACAGTTCCTCCAGGAAAGCTTACTGCAATTTGTATGGATTCTATGGATCAGAGGCTCTAC 330  
QY 679 GCTGAAATGCAATTTCAATTTGATTGATTCAGCATATGTCAGAAAGAA 722  
DB 331 AACCAATCTGCAATACTTCTTCATACAGATATCTGTGAGAAGGA 374

RESULT 14  
US-08-938-105-2  
Sequence 2, Application US/08938105  
Patent No. 6353151  
GENERAL INFORMATION:  
APPLICANT: Leinwand, Leslie A.  
APPLICANT: Vikstrom, Karen L.  
TITLE OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheridan Ross P.C.  
STREET: 1700 Lincoln St., Suite 3500  
CITY: Denver  
STATE: CO  
COUNTRY: U.S.A.  
ZIP: 80203  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/938,105  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Crook, Wanneil M.  
REGISTRATION NUMBER: 31,071  
REFERENCE/DOCKET NUMBER: 3595-4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 863-9700  
TELEFAX: (303) 863-0223  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5661 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1...5661  
US-08-938-105-2

Query Match 6.1%; Score 45.2; DB 4; Length 5661;  
Best Local Similarity 46.1%; Pred. No. 0.00089;  
Matches 152; Conservative 0; Mismatches 178; Indels 0; Gaps 0;

QY 13 GACAAGATGAAGCCTCGGAATGACAGCCTGATCAGAAGTATGTGGCAAGAGCCTAAA 72  
DB 2563 GACCAGCTGATCAAGAACAAAGATCCAGCTGGAGGCCAAGGTGAAGAGATGACCCAGAGG 2622  
QY 73 GAGGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCCGGAAGCTGGACGAG 132  
DB 2623 CTGGAGGAGGAGGAGAGATGACGCCGAGCTCAGGCCACAGAGCGCAAGCTGGAAGAC 2682  
QY 133 AAATCCAAAGACGAGGAGGCTTCTGAGATGATTGATTCAGAACTTCAAGAGCCCTGCGAG 192  
DB 2683 GAGTCTCAGAGCTCAAGAAAGATATCGATGACCTGGAGCTGACCTGGCCCAAGGTGGAG 2742  
QY 193 AGAGCTGCAAACTCTTCAGAGAGTCCACAGAGAGAACTCAGGGAAGATAGACACCTC 252  
DB 2743 AAGGAAAAGCAGCAACAGAGAACAGGTTTAAAAACCTTGACAGAGGATGCCGGGCTG 2802  
QY 253 ACCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGAGCTTCTACAGAAAGATCAGAAC 312  
DB 2803 GACGAGATCATTTGCCAAGCTGACCAAGGAGAGAAAGCTCTTCAAGAGGCCACCAGCAA 2862  
QY 313 CTCCAAGAGCCCTGCAAGAGCTGCAAAAC 342  
DB 2863 GGCCTAGTAGACCTTCAGGCTGAGGAGAC 2892

RESULT 15  
US-08-182-175A-104  
Sequence 104, Application US/08182175A  
Patent No. 5559223  
GENERAL INFORMATION:  
APPLICANT: Saverio Carl Falco  
APPLICANT: Sharon J. Keeler  
TITLE OF INVENTION: Synthetic Storage Proteins with Defined Structure Containing  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: E.I. du Pont de Nemours and Company  
STREET: 1007 Market Street  
CITY: Wilmington  
STATE: Delaware  
COUNTRY: USA  
ZIP: 19898  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: Macintosh System, 6.0  
SOFTWARE: Microsoft Word, 4.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/182,175A  
FILING DATE:  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/743,006  
FILING DATE: 9 August 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Linda Axamethy Floyd  
REGISTRATION NUMBER: 33,692  
REFERENCE/DOCKET NUMBER: BB-1031  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (302) 992-4929  
TELEFAX: (302) 892-7949  
TELEX: 835420  
INFORMATION FOR SEQ ID NO: 104:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
STRAIN: E. coli  
CELL TYPE: DH5 alpha



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:37:46 ; Search time 303 seconds  
(without alignments)

8182.044 Million cell updates/sec

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgacttttgatgacaagat.....caaatcattgcaaatag 744

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2211978 seqs, 1666101734 residues

Total number of hits satisfying chosen parameters: 4423956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq2:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	744	100.0	744	11	US-09-898-554-13
2	671.4	90.2	1092	11	US-09-898-554-19
3	671.4	90.2	1192	11	US-09-898-554-12
4	668.2	89.8	3763	10	US-09-870-759-141
5	668.2	89.8	3763	13	US-09-751-708A-141
6	635.4	82.7	1092	11	US-09-898-554-11
7	531.8	71.5	606	11	US-09-898-554-15
8	526.8	70.8	3750	10	US-09-917-800A-474
9	526.8	70.8	3750	13	US-10-220-511-14
10	526.4	70.8	721	11	US-09-898-554-28
11	393.8	52.9	468	11	US-09-898-554-17
12	374.8	50.4	773	11	US-09-898-554-21
13	338.2	45.5	621	11	US-09-898-554-25
14	330.2	44.4	712	11	US-09-898-554-27
15	298.2	40.1	2468	13	US-10-220-511-1

16	298.2	40.1	2473	15	US-10-198-846-13722	Sequence 13722, A
17	293.6	39.5	1578	13	US-10-220-511-12	Sequence 12, Appl
18	287.2	38.6	1879	13	US-10-220-511-3	Sequence 3, Appl
19	277.8	37.3	736	15	US-10-198-846-9641	Sequence 9641, Ap
20	277.6	37.3	1514	13	US-10-220-511-10	Sequence 10, Appl
21	188.8	25.4	495	11	US-09-898-554-23	Sequence 23, Appl
22	170.4	22.9	2350	14	US-10-114-893-47	Sequence 47, Appl
23	96.2	12.9	912	15	US-10-198-846-7416	Sequence 7416, Ap
24	74.4	10.0	1018	13	US-10-270-470-5	Sequence 5, Appl
25	72.4	9.7	880	13	US-10-270-470-7	Sequence 7, Appl
26	72.4	9.7	2349	15	US-10-102-524-1760	Sequence 1760, Ap
27	72.4	9.7	2354	15	US-10-102-524-1749	Sequence 1749, Ap
28	72.4	9.7	2478	10	US-09-978-295A-476	Sequence 476, App
29	72.4	9.7	2478	10	US-09-978-697-476	Sequence 476, App
30	72.4	9.7	2478	10	US-09-978-192A-476	Sequence 476, App
31	72.4	9.7	2478	10	US-09-999-832A-476	Sequence 476, App
32	72.4	9.7	2478	11	US-09-978-189-476	Sequence 476, App
33	72.4	9.7	2478	11	US-09-978-608A-476	Sequence 476, App
34	72.4	9.7	2478	11	US-09-978-585A-476	Sequence 476, App
35	72.4	9.7	2478	11	US-09-978-191A-476	Sequence 476, App
36	72.4	9.7	2478	11	US-09-978-403A-476	Sequence 476, App
37	72.4	9.7	2478	11	US-09-978-564A-476	Sequence 476, App
38	72.4	9.7	2478	11	US-09-999-833A-476	Sequence 476, App
39	72.4	9.7	2478	11	US-09-981-915A-476	Sequence 476, App
40	72.4	9.7	2478	11	US-09-978-824-476	Sequence 476, App
41	72.4	9.7	2478	11	US-09-918-585A-476	Sequence 476, App
42	72.4	9.7	2478	11	US-09-978-423A-476	Sequence 476, App
43	72.4	9.7	2478	11	US-09-978-193A-476	Sequence 476, App
44	72.4	9.7	2478	11	US-09-999-830A-476	Sequence 476, App
45	72.4	9.7	2478	11	US-09-978-757A-476	Sequence 476, App

#### ALIGNMENTS

#### RESULT 1

US-09-898-554-13  
; Sequence 13, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(744)  
; OTHER INFORMATION:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 7  
US-09-898-554-13

Query Match 100.0%; Score 744; DB 11; Length 744;

Best Local Similarity 100.0%; Pred No. 5e-234;  
Matches 744; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGACCTTTTATGACCAAGATGAAGCCCTGCGAAGTATGACGAGCTGATCAGAAGTATGTGGC 60

Db 1 ATGACCTTTTATGACCAAGATGAAGCCCTGCGAAGTATGACGAGCTGATCAGAAGTATGTGGC 60

Qy 61 AAGAGCCTAAAGAGGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACC GG 120

Db 61 AAGAGCCTAAAGAGGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACC GG 120

121 AAGCTGACGAGAAATCAAAGACGAGGAGGCTTCTGAGATGATTCAGAACTTCCAA 180  
 121 AAGCTGACGAGAAATCAAAGACGAGGAGGCTTCTGAGATGATTCAGAACTTCCAA 180  
 181 GAAGCCCTGACGAGAGCTGCAAACTCTTCAAGAGAGTCCAGAGAGAACTCAAGGGAAG 240  
 181 GAAGCCCTGACGAGAGCTGCAAACTCTTCAAGAGAGTCCAGAGAGAACTCAAGGGAAG 240  
 241 ATAGACACCTCTACCTTTGAAGCTGAACGAGAAATCCAAAGAGGAGGAGCTTCTACAG 300  
 241 ATAGACACCTCTACCTTTGAAGCTGAACGAGAAATCCAAAGAGGAGGAGCTTCTACAG 300  
 301 AAGAACTCAGAACTTCAAGAGGCTTCAAGAGGCTTCAAGAGGCTTCAAGAGGCTTCAAG 360  
 301 AAGAACTCAGAACTTCAAGAGGCTTCAAGAGGCTTCAAGAGGCTTCAAGAGGCTTCAAG 360  
 361 CAAGACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCTTTGGCTGGAA 420  
 361 CAAGACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCTTTGGCTGGAA 420  
 421 AAAAAACCGGAGACCTGCGCAATCTTTGGGTGGGAGTACTACAAATTAATGTGCAGAT 480  
 421 AAAAAACCGGAGACCTGCGCAATCTTTGGGTGGGAGTACTACAAATTAATGTGCAGAT 480  
 481 GATCTGACATTCATCTTACAGCAATTTCCATACCACTCCCACTTCTGGATGGATTG 540  
 481 GATCTGACATTCATCTTACAGCAATTTCCATACCACTCCCACTTCTGGATGGATTG 540  
 541 CATCGGAAGAGCTGCGCAACCATGCTATGGGAGAAATGGAATCTCTTGAATTTCAA 600  
 541 CATCGGAAGAGCTGCGCAACCATGCTATGGGAGAAATGGAATCTCTTGAATTTCAA 600  
 601 TTCTTTAAGACGAGGCGGTTCTTTACAGTATATTCATCAAGCAACTGTGCATACCTT 660  
 601 TTCTTTAAGACGAGGCGGTTCTTTACAGTATATTCATCAAGCAACTGTGCATACCTT 660  
 661 CAAGAGGAGCTGTGTCGCTGAAACTGATTCATTAATTCATTCAGATATCTCAGAAAG 720  
 661 CAAGAGGAGCTGTGTCGCTGAAACTGATTCATTAATTCATTCAGATATCTCAGAAAG 720  
 721 AAGACAAATCATTTGCAAAATTAG 744  
 721 AAGACAAATCATTTGCAAAATTAG 744

RESULT 2  
 US-09-898-554-19  
 ; Sequence 19, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01) AND ATHEROS  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 19  
 ; LENGTH: 1092  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; LOCATION: (1)..(1092)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Isoform 1  
 ; US-09-898-554-19

Query Match 90.2%; Score 671.4; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
 Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
 QY 64 AAGCCCTAAGAGAGCTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG 123  
 Db 412 AACTCTTCAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG 471  
 QY 124 CTGGAACGAGAAATCCAAAGAGAGGAGGCTTCTGCAAGATGATTCAGAACTTCAAGAA 183  
 Db 472 CTGGAACGAGAAATCCAAAGAGAGGAGGCTTCTGCAAGATGATTCAGAACTTCAAGAA 531  
 QY 184 GGCCTGCAAGAGAGTCCAACTCTTCAAGAGAGTCCCAAGAGAGAACTCAAGGGAAGATA 243  
 Db 532 GGCCTGCAAGAGAGTCCAACTCTTCAAGAGAGTCCCAAGAGAGAACTCAAGGGAAGATA 591  
 QY 244 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGGAGGAGCTTCTACAGAAG 303  
 Db 592 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGGAGGAGCTTCTACAGAAG 651  
 QY 304 AATCAGAACTTCAAGAGAGGCTGCAAGAGAGTGCAGAACTTTTCAAGTCTTGTCCAAA 363  
 Db 652 AATCAGAACTTCAAGAGAGGCTGCAAGAGAGTGCAGAACTTTTCAAGTCTTGTCCAAA 711  
 QY 364 GACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCTTTGGCTGGGAAAA 423  
 Db 712 GACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCTTTGGCTGGGAAAA 771  
 QY 424 AACCGGAGAGCTGCGCAATCTTTGGGTGGGAGTACTACAAATTAATGGTGCAGATGAT 483  
 Db 772 AACCGGAGAGCTGCGCAATCTTTGGGTGGGAGTACTACAAATTAATGGTGCAGATGAT 831  
 QY 484 CTGACATTCATCTTCAAGCAATTTCCATACCACTCCCACTTCTGATTTGGATTGAT 543  
 Db 832 CTGACATTCATCTTCAAGCAATTTCCATACCACTCCCACTTCTGATTTGGATTGAT 891  
 QY 544 CGGAAGAGCTGCGCAACCATGGCTATGGGAGAAATGAACTCTTGAATTTCAATTC 603  
 Db 892 CGGAAGAGCTGCGCAACCATGGCTATGGGAGAAATGAACTCTTGAATTTCAATTC 951  
 QY 604 TTAAAGACGAGGCGGTTCTTTACAGTATATTCATCAAGCAACTGTGCATACCTTCAA 663  
 Db 952 TTAAAGACGAGGCGGTTCTTTACAGTATATTCATCAAGCAACTGTGCATACCTTCAA 1011  
 QY 664 GACGAGGCTGTGTCGCTGAAACTGCAATTCATTAATTCATTCAGATATCTCAGAAAG 723  
 Db 1012 GACGAGGCTGTGTCGCTGAAACTGCAATTCATTAATTCATTCAGATATCTCAGAAAG 1071  
 QY 724 ACAATCATTTGCAAAATTAG 744  
 Db 1072 ACAATCATTTGCAAAATTAG 1092

RESULT 3

US-09-898-554-12  
 ; Sequence 12, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 12  
 ; LENGTH: 1192  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:

; NAME/KEY: misc feature  
; OTHER INFORMATION: M-Isoform 1  
US-09-898-554-12

Query Match 90.2%; Score 671.4; DB 11; Length 1192;  
Best Local Similarity 99.1%; Pred. No. 5.4e-210; Indels 0; Gaps 0;  
Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 64 AAGCCTAAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGGAAG 123  
Db 512 AACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGGAAG 571

Qy 124 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGCAGATGATTCAGAACTCCAGAA 183  
Db 572 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGCAGATGATTCAGAACTCCAGAA 631

Qy 184 GCCCTGCAGAGAGTCCAAAGCTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATA 243  
Db 632 GCCCTGCAGAGAGTCCAAAGCTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATA 691

Qy 244 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGAGAGCTTCTACAGAA 303  
Db 692 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGAGAGCTTCTACAGAA 751

Qy 304 AATCAGAACTCCAAAGAGAGCTTCCAAAGAGCTGCAAACTTTTCAGGTCTTGTCCCAA 363  
Db 752 AATCAGAACTCCAAAGAGAGCTTCCAAAGAGCTGCAAACTTTTCAGGTCTTGTCCCAA 811

Qy 364 GACTGGCTCTGCATTAAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAAA 423  
Db 812 GACTGGCTCTGCATTAAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAAA 871

Qy 424 AACCGGACAGCTGCCAATCTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATG 483  
Db 872 AACCGGACAGCTGCCAATCTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATG 931

Qy 484 CTGACATTCATCTTACAGCAATTTCCATACCACTCCCATCTTCCATGGATGGATTCAT 543  
Db 932 CTGACATTCATCTTACAGCAATTTCCATACCACTCCCATCTTCCATGGATGGATTCAT 991

Qy 544 CGGAAGAGCTGGCCACCACTGCTATGGGAGATGAACCTCCCTTGAATTTCAATTC 603  
Db 992 CGGAAGAGCTGGCCACCACTGCTATGGGAGATGAACCTCCCTTGAATTTCAATTC 1051

Qy 604 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTCAA 663  
Db 1052 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTCAA 1111

Qy 664 GACGGAGCTGTTCGCTGAAACTGCAATTCATTAATGCAATTCAGCATATGTCAGAA 723  
Db 1112 GACGGAGCTGTTCGCTGAAACTGCAATTCATTAATGCAATTCAGCATATGTCAGAA 1171

Qy 724 ACAATCATTTGCAAAATTAG 744  
Db 1172 ACAATCATTTGCAAAATTAG 1192

## RESULT 4

US-09-870-759-141

; Sequence 141, Application US/09870759

; Patent No. US20020177551A1

; GENERAL INFORMATION:

; APPLICANT: TERMAN, David S

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE

; FILE REFERENCE: 870759

; CURRENT APPLICATION NUMBER: US/09/870,759

; CURRENT FILING DATE: 2002-01-14

; PRIOR APPLICATION NUMBER: US 60/208,128

; PRIOR FILING DATE: 2000-05-30

; NUMBER OF SEQ ID NOS: 166

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 141

; LENGTH: 3763

; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Query Match 89.8%; Score 668.2; DB 10; Length 3763;  
Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 64 AAGCCTAAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGGAAG 123  
Db 459 AACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGGAAG 518

Qy 124 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGCAGATGATTCAGAACTCCAGAA 183  
Db 519 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGCAGATGATTCAGAACTCCAGAA 578

Qy 184 GCCCTGCAGAGAGTCCAAAGCTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATA 243  
Db 579 GCCCTGCAGAGAGTCCAAAGCTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATA 638

Qy 244 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGAGAGCTTCTACAGAA 303  
Db 639 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGAGAGCTTCTACAGAA 698

Qy 304 AATCAGAACTCCAAAGAGAGCTTCCAAAGAGCTGCAAACTTTTCAGGTCTTGTCCCAA 363  
Db 699 AATCAGAACTCCAAAGAGAGCTTCCAAAGAGCTGCAAACTTTTCAGGTCTTGTCCCAA 758

Qy 364 GACTGGCTCTGCATTAAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAAA 423  
Db 759 GACTGGCTCTGCATTAAGAACTGTTACCTCTTCCATGGCCCTTTAGCTGGGAAAA 818

Qy 424 AACCGGACAGCTGCCAATCTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATG 483  
Db 819 AACCGGACAGCTGCCAATCTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATG 878

Qy 484 CTGACATTCATCTTACAGCAATTTCCATACCACTCCCATCTTCCATGGATGGATTCAT 543  
Db 879 TTGACATTCATCTTACAGCAATTTCCATACCACTCCCATCTTCCATGGATGGATTCAT 938

Qy 544 CGGAAGAGCTGGCCACCACTGCTATGGGAGATGAACCTCCCTTGAATTTCAATTC 603  
Db 939 CGGAAGAGCTGGCCACCACTGCTATGGGAGATGAACCTCCCTTGAATTTCAATTC 998

Qy 604 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTCAA 663  
Db 999 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTCAA 1058

Qy 664 GACGGAGCTGTTCGCTGAAACTGCAATTCATTAATGCAATTCAGCATATGTCAGAA 723  
Db 1059 GACGGAGCTGTTCGCTGAAACTGCAATTCATTAATGCAATTCAGCATATGTCAGAA 1118

Qy 724 ACAATCATTTGCAAAATTAG 744  
Db 1119 ACAATCATTTGCAAAATTAG 1139

## RESULT 5

US-09-751-708A-141

; Sequence 141, Application US/09751708A

; Publication No. US20030157113A1

; GENERAL INFORMATION:

; APPLICANT: TERMAN, David S

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE

; FILE REFERENCE: 751708

; CURRENT APPLICATION NUMBER: US/09/751,708A

; CURRENT FILING DATE: 2002-10-15

; PRIOR APPLICATION NUMBER: US 60/173,371

; PRIOR FILING DATE: 1999-12-28

; NUMBER OF SEQ ID NOS: 166  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 141  
 ; LENGTH: 3763  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (48)..(1139)  
 ; OTHER INFORMATION:  
 ; US-09-751-708A-141

Query Match 89.8%; Score 668.2; DB 13; Length 3763;  
 Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
 Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy	64	AAGCTTAAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	123
Db	459	AACCTCTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	518
Qy	124	CTGGACGAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGACCTCCAGAA	183
Db	519	CTGGACGAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGACCTCCAGAA	578
Qy	184	GCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	243
Db	579	GCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	638
Qy	244	GACACCTCAGCTTGAAGCTGAAAGAGGAGTCCAAAGAGCAGGAGGAGCTTCTACAGAAG	303
Db	639	GACACCTCAGCTTGAAGCTGAAAGAGGAGTCCAAAGAGCAGGAGGAGCTTCTACAGAAG	698
Qy	304	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCACAA	363
Db	699	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCACAA	758
Qy	364	GACTGGCTCTGGCATAAAGAAAAGCTGTACCTCTTCCATGGGCCCTTTGGCTGGGAAAA	423
Db	759	GACTGGCTCTGGCATAAAGAAAAGCTGTACCTCTTCCATGGGCCCTTTAGCTGGGAAAA	818
Qy	424	AACCGGAGACCTCCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	483
Db	819	AACCGGAGACCTCCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	878
Qy	484	CTGACATTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGGATTGGATTGCAT	543
Db	879	TTGATTTTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGGATTGGATTGCAT	938
Qy	544	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCCTTTGAATTTCAATTC	603
Db	939	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCCTTTGAATTTCAATTC	998
Qy	604	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	663
Db	999	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	1058
Qy	664	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTAATTCATTCAGCATATGTCAGAAG	723
Db	1059	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTAATTCATTCAGCATATGTCAGAAG	1118
Qy	724	ACAAATCATTTGCAAAATTTAG 744	
Db	1119	ACAAATCATTTGCAAAATTTAG 1139	

RESULT 6  
 US-09-898-554-11  
 ; Sequence 11, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER.  
 ; FILE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 11  
 ; LENGTH: 1092  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: B-Isoform 1  
 ; US-09-898-554-11

Query Match 82.7%; Score 615.4; DB 11; Length 1092;  
 Best Local Similarity 94.0%; Pred. No. 1.4e-191;  
 Matches 640; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy	64	RAGCCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	123
Db	412	AACTCTTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	471
Qy	124	CTGGACGAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGAACTCCAAAGAA	183
Db	472	CTGGACGAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGAACTCCAAAGAA	531
Qy	184	GCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	243
Db	532	GCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	591
Qy	244	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGAACTCAAGAGCAGGAGGAGCTTCTACAGAAG	303
Db	592	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGAACTCAAGAGCAGGAGGAGCTTCTACAGAAG	651
Qy	304	AATCAGAACCTCCAAAGAGCCTGCAAAAGAGCTGCAAACTTTCAGGTCCTTGTCCACAA	363
Db	652	AATCAGAACCTCCAAAGAGCCTGCAAAAGAGCTGCAAACTTTCAGGTCCTTGTCCACAA	711
Qy	364	GACTGGCTCTGGCATAAAGAAAAGCTGTACCTCTTCCATGGGCCCTTTGGCTGGGAAAA	423
Db	712	GACTGGCTCTGGCATAAAGAAAAGCTGTACCTCTTCCATGGGCCCTTTAGCTGGGAAAA	771
Qy	424	AACCGGAGACCTGCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	483
Db	772	AACCGGAGACCTGCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	831
Qy	484	CTGACATTCATCTTACAGCAATTTCCCATACACCTCCCATCTCTGGATTGGATTGCAT	543
Db	832	CTGACATTCATCTTACAGCAATTTCCCATACACCTCCCATCTCTGGATTGGATTGCAT	891
Qy	544	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCCTTTGAATTTCAATTC	603
Db	892	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCCTTTGAATTTCAATTC	951
Qy	604	TTTAAGACGAGGGCGTTCTTTACAGCTATATTCATCAGCAACTGTGCATACCTTCAA	663
Db	952	TTTAAGACGAGGGCGTTCTTTACAGCTATATTCATCAGCTATATTCATCAGCAACTGTGCATACCTTCAA	1011
Qy	664	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTAATTCATTCAGCATATGTCAGAAGAAAG	723
Db	1012	GGGGCGTTCTTTACAGCTAAGAACTGCAATTCATTAATTCATTCAGCATATGTCAGAAGAAAG	1071
Qy	724	ACAAATCATTTGCAAAATTTAG 744	
Db	1072	ACAAATCATTTGCAAAATTTAG 1092	

RESULT 7  
 US-09-898-554-15  
 ; Sequence 15, Application US/09898554  
 ; Publication No. US20030068673A1

; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 15  
 ; LENGTH: 606  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(606)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc.feature  
 ; OTHER INFORMATION: Isoform 8  
 US-09-898-554-15

Query Match 71.5%; Score 531.8; DB 11; Length 606;  
 Best Local Similarity 98.7%; Pred. No. 3.4e-164;  
 Matches 536; Conservative 0; Mismatches 7; Indels 0; Gaps 0;  
 QY 202 AACTCTTCCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTCTACCTTGAAG 261  
 DB 64 AAGCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTCTACCTTGAAG 123  
 QY 262 CTGAACGAGAAATCCAAAGAGAGGAGGAGCTTTACAGAGAAATCAGAACTCCAAAGAA 321  
 DB 124 CTGAACGAGAAATCCAAAGAGAGGAGGAGCTTTACAGAGAAATCAGAACTCCAAAGAA 183  
 QY 322 GCCCTGCAAGAGCTGCAAACTTTTCAGTCTCTTGTCCACAGAGCTGGCTTGGCATAAA 381  
 DB 184 GCCCTGCAAGAGCTGCAAACTTTTCAGTCTCTTGTCCACAGAGCTGGCTTGGCATAAA 243  
 QY 382 GAAAACTGTACTCTTCCATGGCCCTTTGGCTGGGAAAAAACCAGGAGACCTGCCAA 441  
 DB 244 GAAAACTGTACTCTTCCATGGCCCTTTAGCTGGGAAAAAACCAGGAGACCTGCCAA 303  
 QY 442 TCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGATGATCTGACATTCATCTTACAA 501  
 DB 304 TCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGATGATCTGACATTCATCTTACAA 363  
 QY 502 GCAATTTCCATACACCTCCCATCTGGATTGGATTGATCGGAAAGAGCTGGCCAA 561  
 DB 364 GCAATTTCCATACACCTCCCATCTGGATTGGATTGATCGGAAAGAGCTGGCCAA 423  
 QY 562 CCATGGCTATGGAGAAATGGAATCTCTTTGAATTTTCAATTTCTTAAAGACAGGGCGTT 621  
 DB 424 CCATGGCTATGGAGAAATGGAATCTCTTTGAATTTTCAATTTCTTAAAGACAGGGCGTT 483  
 QY 622 TCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTTCAAGACGAGAGCTGTGCGCT 681  
 DB 484 TCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTTCAAGACGAGAGCTGTGCGCT 543  
 QY 682 GAAAACTGCATCTTAATTCATTCAGCTATGTCAGAGAAACAAATCATTTGCAAAAT 741  
 DB 544 GAAAACTGCATCTTAATTCATTCAGCTATGTCAGAGAAACAAATCATTTGCAAAAT 603  
 QY 742 TAG 744  
 DB 604 TAG 606

RESULT 8  
 US-09-917-800A-474  
 ; Sequence 474, Application US/09917800A  
 ; Patent No. US20020119462A1  
 ; GENERAL INFORMATION:

; APPLICANT: Mendrick, Donna  
 ; APPLICANT: Porter, Mark  
 ; APPLICANT: Johnson, Kory  
 ; APPLICANT: Castle, Arthur  
 ; APPLICANT: Elashoff, Michael  
 ; APPLICANT: Gene Logic, Inc.  
 ; TITLE OF INVENTION: Molecular Toxicology Modeling  
 ; FILE REFERENCE: 44921-5038-US  
 ; CURRENT APPLICATION NUMBER: US/09/917,800A  
 ; CURRENT FILING DATE: 2001-07-31  
 ; PRIOR APPLICATION NUMBER: US 60/222,040  
 ; PRIOR FILING DATE: 2000-07-31  
 ; PRIOR APPLICATION NUMBER: US 60/222,880  
 ; PRIOR FILING DATE: 2000-11-02  
 ; PRIOR APPLICATION NUMBER: US 60/290,029  
 ; PRIOR FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: US 60/290,645  
 ; PRIOR FILING DATE: 2001-05-15  
 ; PRIOR APPLICATION NUMBER: US 60/292,336  
 ; PRIOR FILING DATE: 2001-05-22  
 ; PRIOR APPLICATION NUMBER: US 60/295,798  
 ; PRIOR FILING DATE: 2001-06-06  
 ; PRIOR APPLICATION NUMBER: US 60/297,457  
 ; PRIOR FILING DATE: 2001-06-13  
 ; PRIOR APPLICATION NUMBER: US 60/298,884  
 ; PRIOR FILING DATE: 2001-06-19  
 ; PRIOR APPLICATION NUMBER: US 60/303,459  
 ; NUMBER OF SEQ ID NOS: 1740  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 474  
 ; LENGTH: 3750  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 ; FEATURE:  
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AB005900  
 US-09-917-800A-474

Query Match 70.8%; Score 526.8; DB 10; Length 3750;  
 Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
 Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
 QY 63 GAAGCCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTACCCGAA 122  
 DB 502 GAAGCCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTACCCGAA 561  
 QY 123 GCTGGACGAGAAATCCAAAGAGAGGAGGAGCTTCTCAGATGATTCAGAACCTTCCAAGA 182  
 DB 562 GCTGAATGGGATATCCAAAGAGAGGAGGAGCTTCTCAGATGATTCAGAACCTTCCAAGA 621  
 QY 183 AGCCTTGACAGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
 DB 622 AGCCTTGACAGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGAT 681  
 QY 243 AGACACCTTCACTTGAAGCTGAAACGAGAAATCCAAAGAGAGGAGAGCTTCTACAGAA 302  
 DB 682 AGACACCTTCACTTGAAGCTGAAACGAGAAATCCAAAGAGAGGAGAGCTTCTACAGAA 741  
 QY 303 GAATCAGAACTTCCAAAGAGGAGGAGGAGCTTCCAAAGAGGAGGAGGAGCTTCTTCCACA 362  
 DB 742 GAATCAGAACTTCCAAAGAGGAGGAGGAGCTTCCAAAGAGGAGGAGGAGCTTCTTCCACA 801  
 QY 363 AGACTGGCTCTGGCATAAAGAAAACTGTGTACTCTTCCATGGGCGCTTTGGCTGGGAAAA 422  
 DB 802 AGACTGGCTCTGGCATAAAGAAAACTGTGTACTCTTCCATGGGCGCTTTTAACTGGGAAAA 861  
 QY 423 AAACCGGAGAGCTGCCAATCTTTGGTGGCGAGTACTACTACAAATTAATGGTGAGATGA 482  
 DB 862 AAGTCGGGAGAAATTCGCTTATCTTTAGATGCCAGTTACTACAAATTTAGTACACAGATGA 921  
 QY 483 TCTGACATTCATCTTACAGCAATTTCCCATACCACTCCCATCTCTGGATTGGATTGCA 542  
 DB 922 TCTGAACTTCGCTTACAGCAATTTCCCATACCACTCCCATCTCTGGATTGGATTGCA 981



QY 543 TCGAAGAGCGCTGGCCAAACGATGGCTATGGGAGAAATGGAATCTCTTTGAATTTCAATT 602  
 Db 982 TCGGAAATATCCCAACACCCATGGCTATGGGAGAACGGCTCTCTTTGAGTTTCAATT 1041  
 QY 603 CTTTAAACACAGGGGGCTTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCA 662  
 Db 1042 CTTTAAACACAGGGGGCTTTCTTTACAGATGTACTCATCAGGACCTGTGCATATATTCA 1101  
 QY 663 AGACGGAGCTGTGTCTGCTGAAACCTGATTTCAATTCATTCAGCATATGTTCAGAGAA 722  
 Db 1102 AGGAGGAGTTGTGTCTGCTGAAACCTGATTTTAACTGCATTCAGCATATGTTCAGAGAA 1161  
 QY 723 GACAAATCATTTGCAAAATTTAG 744  
 Db 1162 GGCAAAATTTATTTGCTAACTCAG 1183

RESULT 9  
 US-10-220-511-14  
 ; Sequence 14, Application US/10220511  
 ; Publication No. US20030143226A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kobayashi, Yuko  
 ; APPLICANT: Tsuji, Hiroyuki  
 ; APPLICANT: Kamada, Masatumi  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
 ; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
 ; FILE REFERENCE: SHIM-017  
 ; CURRENT APPLICATION NUMBER: US/10/220,511  
 ; CURRENT FILING DATE: 2002-12-06  
 ; PRIOR APPLICATION NUMBER: JP P2000-57745  
 ; PRIOR FILING DATE: 2000-03-02  
 ; PRIOR APPLICATION NUMBER: JP P2000-333116  
 ; PRIOR FILING DATE: 2000-10-31  
 ; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
 ; PRIOR FILING DATE: 2001-03-02  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 14  
 ; LENGTH: 3750  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 ; FEATURE:  
 ; NAME/KEY: 5'UTR  
 ; LOCATION: (1)..(91)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (92)..(1186)  
 ; FEATURE:  
 ; NAME/KEY: 3'UTR  
 ; LOCATION: (1187)..(3750)  
 US-10-220-511-14

Query Match 70.8%; Score 526.8; DB 13; Length 3750;  
 Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
 Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
 QY 63 GAACCTTAAAGAGAGAGTCCAGAGAGAACTCAAGGGAAAGATAGACACCATCACCCGAA 122  
 Db 502 GAACCTTCAAGAGAGTCCAGTGGGAATGAAGAACAAATAGACATTTCAACTGAA 561  
 QY 123 GCTGGACGAGAAATCCAAAGACGAGGAGGCTTTCTGCAGATGATTCAGAACTTCCAA 182  
 Db 562 GCTGAATGGGATATCCAAAGACGAGAGAGGCTTCTGCAGCAGAAATCAGAACTTCCAA 621  
 QY 183 AGCCCTGACGAGAGCTGCAAACTTTTCAGAGGAGTCCAGAGAACTCAAGGAAAGAT 242  
 Db 622 AGCCCTGACGAGAGCTGAGAAATATTTCAGAGGAGTCCAGAGAACTGAAAGAACAGAT 681  
 QY 243 AGACACCTTCACTTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGAGCTTCTTACAGAA 302

Db 682 AGACACCTTCACTGGAAGCTAAACGAGAAATCCAAAGACGAGGAGGAGCTTCTGCAGCA 741  
 QY 303 GAATCAGAACTCTCAAGAGCCCTGCAAGAGCTGCAAACTTTTTCAGGTCTCTTGTCCACA 362  
 Db 742 GAATCAGAACTCTTCAAGAGCCCTGCAAGAGCTGCAAACTTTTTCAGGTCTCTTGTCCACA 801  
 QY 363 AGACTGGCTCTGCGCATAAAGAAAACCTGTTACCTCTTTCATGGGCTTTTGGCTGGGAAA 422  
 Db 802 AGACTGGATCTGGCATAAAGAAAACCTGTTACCTCTTTCATGGGCTTTTAACTGGGAAA 861  
 QY 423 AAACCGGACAGACTGCGCAATCTTTGGGTGGCCAGTTACTTACAAAATTAATGGTGCAATGA 482  
 Db 862 AAGTCGGGAGAAATTCCTATCTTTAGATGCCAGTTACTTACAAAATTAATGGTGCAATGA 921  
 QY 483 TCTGACATTCATCTTACAGGAATTTCCATACACCTCCCACTTCTGATTTGATTTGATGCA 542  
 Db 922 TCTGAACCTTCTGCTTACAGCAACTTCCCACTTCCCACTTCCCACTTTCGATGGGATTA 981  
 QY 543 TCGGAGAGAGCTGCGCAACCATGCTATGGGAGAAATGGAATCTCTTTCGAAATTTTCAATT 602  
 Db 982 TCGGAAATATCCCAACCCATGGCTATGGGAGAACGGCTCTCTCTTGGATTTTCAATT 1041  
 QY 603 CTTTAAAGACAGGGGGCTTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCA 662  
 Db 1042 CTTTAAAGACAGGGGGCTTTCTTTACAGATGTACTCATCAGGACCTGTGCATATATTCA 1101  
 QY 663 AGACGAGCTGTGTCTGCTGAAACCTGCAATTCATTAATTCAGCATATGTTCAGAGAA 722  
 Db 1102 AGGAGGAGTTGTGTCTGCTGAAACCTGCAATTTTAACTGCATTCAGCATATGTTCAGAGAA 1161  
 QY 723 GACAAATCATTTGCAAAATTTAG 744  
 Db 1162 GGCAAAATTTATTTGCTAACTCAG 1183

RESULT 10  
 US-09-898-554-28  
 ; Sequence 28, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 28  
 ; LENGTH: 721  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 6  
 US-09-898-554-28

Query Match 70.8%; Score 526.4; DB 11; Length 721;  
 Best Local Similarity 85.5%; Pred. No. 2.3e-162;  
 Matches 636; Conservative 0; Mismatches 71; Indels 37; Gaps 3;  
 QY 1 ATGACTTTTGTATGCAAGATGAAGCTGCGAATGACGACCTGATCAGAGTCATGATGTCGC 60  
 Db 1 ATGACTTTTGTATGCAAGATGAAGCTGCGAATGACGACCTGATCAGAGTCATGATGTCGC 60  
 QY 61 AAGAGCCTTAAAGAGAGTCCAGAGAACTCAAGGAAAGATAGACACCATCACCCG 120  
 Db 61 AAGAGCCTTAAAGAGTCTG-----CATTTGCTTTTCTTCC 95  
 QY 121 AAGCTGGACGAGAAATCCAAAGACGAGGAGGAGCTTCTGCAGATGATTCAGAACCTTCAA 180

348	QY	AGGTCCCTTGTGCCAAGAAGCTGGCTCTGTGCATAAAGAAAC	407
72	Db	AGGTCCCTTGTGCCAAGAAGCTGGCTCTGTGCATAAGAAAC	131
408	QY	CTTTGGCTGGGAAAAAACC GGCGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAAT	467
132	Db	CTTTAGCTGGGAAAAAACC GGCGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAAT	191
468	QY	TAATGGTGCGAGATGATCTGACATTCATCTTACAAGCAATTTTCCCATACACACCTCCCAAT	527
192	Db	TAATGGTGCGAGATGATCTGACATTCATCTTACAAGCAATTTTCCCATACACACCTCCCAAT	251
528	QY	CTGGATGGATTTGCATCGGAGAGAGCCCTGGCCCAACCATGGCTATCGGAGAAATGGAACTCC	587
252	Db	CTGGATGGATTTGCATCGGAGAGAGCCCTGGCCCAACCATGGCTATCGGAGAAATGGAACTCC	311
588	QY	TTTGAATTTTCAAATCTTTAAGACGAGGGGGTTTCTTTACAGCTATATTCATCAAGCAA	647
312	Db	TTTGAATTTTCAAATCTTTAAGACGAGGGGGTTTCTTTACAGCTATATTCATCAAGCAA	371
648	QY	CTGTGCATACCTTCAAGACGGAGCTGTGTTCGCTGAAACATGCATTTCTAATTGCAATTCAG	707
372	Db	CTGTGCATACCTTCAAGACGGAGCTGTGTTCGCTGAAACATGCATTTCTAATTGCAATTCAG	431
708	QY	CATATGTCAGAAGAAGACAAATCAATTCGCAATTTTAG	744
432	Db	CATATGTCAGAAGAAGACAAATCAATTCGCAATTTTAG	468

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RESULT 12
US-09-898-554-21
; Sequence 21, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHE
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02

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? CURRENT FILING DATE: 2001-07-02
? NUMBER OF SEQ ID NOS: 40
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 21
? LENGTH: 773
? TYPE: DNA
? ORGANISM: Murinae gen. sp.
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (1)..(174)
? OTHER INFORMATION:
? NAME/KEY: misc feature
? OTHER INFORMATION: Isoform 2
US-09-898-554-21

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Query Match	50.4%;	Score 374.8;	DB 11;	Length 773;
Best Local Similarity	97.8%;	Pred. NO. 2e-112;		
Matches 401;	Conservative	0;	Mismatches 7;	Indels 2;
				Gaps 2;

[illegible]

QY	184	CCCCCTCAGAGAGCTCGCAAACTCTTCAGAGAGAGTCCAGAGAGAACTCAAGGGAAGATA	243
Db	479	GCCCCCTCAGAGAGCTCGCAAACTCTTCAGAGAGAGTCCAGAGAGAACTCAAGGGAAGATA	538

Qy	244	GACACCTTCACTTTGAGCTGAAAGAGAAATCCAAAGAGCAGGAGGAGCTTCTCAGAAAG	303
Db	539	GACACCTTCACTTTGAGCTGAAAGAGAAATCCAAAGAGCAGGAGGAGCTTCTCAGAAAG	598
Qy	304	AATCAGAACCTTCCAGNAGCCCTGCAAGAGAGCTGCAAACTTTTCAGGTCCTTGTCCACAA	363
Db	599	AATCAGAACCTTCCAGNAGCCCTGCAAGAGAGCTGCAAACTTTTCAGGTCCTTGTCCACAA	658
Qy	364	GACTGGCTCTGGCATAAAGAAAACTGTTACCTCTTCCATGGGCCCTTTTGGCTGGGAAAA	423
Db	659	GACTGGCTCTGGCATAAAGAAAACTGTTACCTCTTCCGTTGGGCCCTTTT-ACTGGGAAAA	717
Qy	424	AAACGGCAGACCTGCCAATCTTTGGTGGGCCAGTTACTACAAATTAATGG	473
Db	718	AGCCGGCAGACCTGCCAATCTTTGGTGG-CACTTACTACAAATTAATGG	766

RESULT 13

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RES001 13
US-09-898-554-25
; Sequence 25, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1

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Query Match	45.5%	Score 338.2	DB 11	Length 621
Best Local Similarity	95.1%	Pred. No. 2e-100		
Matches 349	Conservative	0	Mismatches 18	Indels 0
				Gaps 0

Qy	183	AGCCTGCAGAGAGCTGCAAACTCTTTCAGAGAGTCCACAGAGAACTCTCAAGGGAAGAT	242
Db	255	AGCCCAGCAGAGGCGAGAAAACACTTTCACAGGAATCAAAGRAGGAACTGAAAGGGAAGAT	314
Qy	243	AGACACCTCACTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAGAA	302
Db	315	AGACACCTCAACCAGAAAGCTGAAAGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAGAA	374
Qy	303	GAATCAGAACCTCCAAAGAGCCCTGCAAAAGAGCTGCAAACTTTTCAGGTCCCTTGTCCACA	362
Db	375	GAATCAGAACCTCCAAAGAGCCCTGCAAAAGAGCTGCAAACTTTTCAGGTCCCTTGTCCACA	434
Qy	363	AGACTGGCTCTGGCATAAAGAAAACGTGTACCTCTTCATATGGCCCTTTGGCTGGGAAAA	422
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Qy	423	AAACGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGA	482
Db	495	AAACGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGA	554
Qy	483	TCTGACATTTCACTTACAAAGCAATTTCCCATACCACTCCCCCATTTCTGGATTGGGATTCGA	542
Db	555	TCTGACATTTCACTTACAAAGCAATTTCCCATACCACTCCCCCGTTCTGGATTGGGATTCGA	614
Qy	543	TCGGAAG	549

Db 615 TCGGAG 621

RESULT 14

US-09-898-554-27  
 ; Sequence 27, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 27  
 ; LENGTH: 712  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 5  
 US-09-898-554-27

	Query Match	44.4%	Score 330.2;	DB 11;	Length 712;
	Best Local Similarity	77.2%;	Pred. No. 9.4e-98;		
	Matches 475;	Conservative 0;	Mismatches 113;	Indels 27;	Gaps 5
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Db	1	ATGACTTTTCATGACACAGATGAAGCCCTGCGAATGACGAGCCTGATGAGAAGTCATGTGGC	60		
Qy	61	AAGAAGCCTTAAAGAGGAGTCCCACAGAGAACTCAAGGG-----AAAG	102		
Db	61	AAGNAGCTTAAGGTCTGCATTTCCTTCCCATGGTGGTTCCTCGTGCTATGACT	120		
Qy	103	ATAGACACCATACCCCGAAGCTGGACGAGAAATCCAAAGACAGGAGGAGCT-TCTGCA	161		
Db	121	CTGGTATCCTCTGCGCTGGTGTGTCACTGACACCTTATTGTACAGTGGACACAATGATCG	180		



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: December 18, 2003, 14:48:42 ; Search time 21 Seconds  
(without alignments)  
497.656 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319  
Sequence: 1 MTFDDXMKPANDPPQKSCG.....ENCILIAFSICQKTNHLQI 247

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	637	48.3	273	2 US-09-055-095-3	Sequence 3, Appli
2	637	48.3	273	2 US-08-809-494A-6	Sequence 6, Appli
3	596	45.2	270	2 US-09-352-302-6	Sequence 6, Appli
4	596	45.2	270	2 US-09-055-095-4	Sequence 4, Appli
5	596	45.2	270	2 US-08-809-494A-2	Sequence 2, Appli
6	596	45.2	270	3 US-09-352-302-2	Sequence 2, Appli
7	594.5	45.1	273	3 US-08-809-494A-4	Sequence 4, Appli
8	594.5	45.1	273	3 US-09-352-302-4	Sequence 4, Appli
9	251	19.0	201	2 US-08-688-342-1	Sequence 1, Appli
10	251	19.0	201	2 US-09-113-788-1	Sequence 1, Appli
11	231.5	17.6	180	3 US-08-772-440-31	Sequence 31, Appli
12	231	17.5	176	3 US-08-772-440-8	Sequence 8, Appli
13	231	17.5	244	3 US-08-772-440-2	Sequence 2, Appli
14	223	16.9	404	4 US-09-517-605-2	Sequence 2, Appli
15	221	16.8	280	4 US-09-996-243-319	Sequence 319, App
16	221	16.8	284	2 US-09-055-095-1	Sequence 1, Appli
17	214	16.2	199	3 US-08-772-440-13	Sequence 13, Appli
18	207	15.7	126	3 US-08-772-440-10	Sequence 10, Appli
19	189.5	14.4	122	3 US-08-722-126A-9	Sequence 9, Appli
20	189.5	14.4	122	5 PCT-US95-04258-9	Sequence 126, App
21	186	14.1	248	4 US-09-482-273-126	Sequence 126, App
22	186	14.1	272	1 US-08-690-095-1	Sequence 1, Appli
23	186	14.1	272	3 US-09-113-789-1	Sequence 1, Appli
24	186	14.1	287	1 US-08-365-103B-4	Sequence 4, Appli
25	186	14.1	300	1 US-08-365-103B-6	Sequence 6, Appli
26	186	14.1	327	1 US-08-365-103B-2	Sequence 2, Appli
27	179	13.6	229	4 US-09-247-155-97	Sequence 97, Appli

28 179 13.6 229 4 US-09-936-243-424 Sequence 424, App  
29 166 12.6 179 1 US-08-690-095-9 Sequence 9, Appli  
30 166 12.6 179 2 US-08-650-578-2 Sequence 2, Appli  
31 166 12.6 179 2 US-08-688-342-3 Sequence 3, Appli  
32 166 12.6 179 2 US-09-113-788-3 Sequence 3, Appli  
33 166 12.6 179 3 US-09-113-789-9 Sequence 9, Appli  
34 165.5 12.5 287 3 US-09-111-470-6 Sequence 6, Appli  
35 165.5 12.5 320 1 US-08-365-103B-10 Sequence 10, Appli  
36 165.5 12.5 321 1 US-08-365-103B-8 Sequence 8, Appli  
37 163 12.4 191 4 US-09-531-056A-6 Sequence 6, Appli  
38 163 12.4 328 4 US-09-531-056A-13 Sequence 13, Appli  
39 162.5 12.3 231 1 US-08-690-095-6 Sequence 6, Appli  
40 162.5 12.3 231 3 US-09-113-789-6 Sequence 6, Appli  
41 162.5 12.3 231 3 US-08-543-246B-6 Sequence 6, Appli  
42 162.5 12.3 231 3 US-08-543-246B-23 Sequence 23, Appli  
43 158.5 12.0 134 3 US-08-543-246B-20 Sequence 20, Appli  
44 158.5 12.0 216 3 US-08-543-246B-9 Sequence 9, Appli  
45 158.5 12.0 216 3 US-08-543-246B-24 Sequence 24, Appli

#### ALIGNMENTS

RESULT 1  
US-09-055-095-3  
; Sequence 3, Application US/09055095  
; Patent No. 5945308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA: US/09/055,095  
; APPLICATION NUMBER: US/09/055,095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1902984  
US-09-055-095-3

Query Match 48.3%; Score 637; DB 2; Length 273;  
Best Local Similarity 48.9%; Pred. No. 2.4e-49;



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DB 1 MTFDDLKIQTVKQDPDEKSNKKAK-----GLQFLYSPWMCCLAAATLGLVLCIGLVVTTM 55  
QY 39 -----TRKLDKESKEQEBELLQMIQNLQ---EALQRAANSSEESQRELKIDTTLK 90  
DB 56 LGMQLUSQVSDLLTQEQANLTHQKKLEGGQISARQQAEEASQSENELKEMMETLARK 115  
QY 91 KSKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFQWKNRQTCOSL 149  
DB 116 KSKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFQWKNRQTCOSL 175  
QY 150 GQQLQINGADDLTFLQAISSHTTSPFWGLHRKPKGQOPWLWENGTPLNFOFFKTRG 209  
DB 176 DAKLLKINSTADLDTIQQAISYSSFPFWMLGSLRRNPSYPWLWEDGSLMPLFLRVRGAVS 235  
QY 210 QLYSSNCAYLQDGAFAENCILLIAPFSCOKKTN 243  
DB 236 QTYPSGTCAIQRGAVYAENCILLIAPFSCOKKAN 269

RESULT 4  
US-09-055-095-4  
; Sequence 4, Application US/09055095  
; Patent No. 5945308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/055,095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-845-0555  
; TELEFAX: 650-845-4166  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1902982  
US-09-055-095-4

Query Match 45.2%; Score 596; DB 2; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

QY 1 MTFDDKMKPANDEPDQKSCGKKPK-----ESSQR 29  
DB 1 MTFDDP-KGMDQLDQKPNGTAKGFVSNRWYPAAVTLGLVLCIGLLVTVILLIQLSQ- 58  
QY 30 ELKCKIDITIRKLDKESKEQEBELL-QMIQNLQALQRAANSSEESQRELKIDTTLK 87  
DB 59 -----VSDLIKQOANTHODILLEGQIL-----AQRSEKSAQESQRELKEMMETLAHK 108  
QY 88 LNEKSEKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFQWKNRQTC 146  
DB 109 LDEKSKKLMELHRQNLQNLQVLEAANYSGPCPDWLWHKENCYLFSSGSGFNWKSQENC 168  
QY 147 QSLGGQLQINGADDLTFLQAISSHTTSPFWGLHRKPKGQOPWLWENGTPLNFOFFKTRG 206  
DB 169 LSLDAHLKINSTDELEFIQOMIAHSSFPFWMGLSMRKNYSWLWEDGTPLTPLHFRIOG 228  
QY 207 VSLQLYSSNCAYLQDGAFAENCILLIAPFSCOKKTNHLQ 246  
DB 229 AVSRMYSGTCAYIQRTGTVAENCILLIAPFSCOKKANLLR 268

RESULT 5  
US-08-809-494A-2  
; Sequence 2, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E.  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-809-494A-2

Query Match 45.2%; Score 596; DB 2; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

QY 1 MTFDDKMKPANDEPDQKSCGKKPK-----ESSQR 29

Db 1 MTVDPP-KGMDQDQKNGKTAGFVSSWRWYPAAVTLGVLGLVTVILLILQLSQ- 58  
QY 30 ELKGIDITTRKLDKSKQEBEL--QMIONLOALQRAANSSESORELKGIDITLTK 87  
Db 59 -----VSDLIKQOANITHOEDILEGOIL-----AQRSEKSAQESQKELKEMIETLAHK 108  
QY 88 LNEKSKQEBELQKQNLQALQRAANFSGPCPDWLWHKENCYLP-HGPFGEKKNQOTC 146  
Db 109 LDEKSKMLMELHQNLOALQEVLEKAAVSGPCPDWLWHKENCYQFSSGFSNWEKSGENC 168  
QY 147 QSLGGQLQINGADDLFILOAISHHTSPFWIGLHKKKPGOPWLWENGTPLNFOFFKTRG 206  
Db 169 LSLDAHLKINSTDELEFIQOMIAHSSFPFWGLSMRKPNYSWLWEDGTPLTLPHPRIQ 228  
QY 207 VSLQYSSNCAYLODGAFAENCILIAFSICQKKNHLQ 246  
Db 229 AVSRMYPSTGTCAYIQRTGTVFAENCILTAFSICQKKNLLR 268

## RESULT 6

US-09-352-302-2  
; Sequence 2, Application US/09352302  
; Patent No. 6197937  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/352.302  
; FILING DATE: 12-JUL-1999  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-VV-4363PCT/D  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-352-302-2

Query Match 45.2%; Score 596; DB 3; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;  
QY 1 MTFDDKMKPANDEPDQKSGCKPKP-----EESQR 29  
Db 1 MTVDPP-KGMDQDQKNGKTAGFVSSWRWYPAAVTLGVLGLVTVILLILQL 59

## RESULT 7

US-08-809-494A-4  
; Sequence 4, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-VV-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-809-494A-4

Query Match 45.1%; Score 594.5; DB 2; Length 273;  
Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;  
QY 1 MTFDDKMKPANDEPDQKSGCKPKP-----EE 26  
Db 1 MTVDPP-KGMDQDQKNGKTAGFVSSWRWYPAAVTLGVLGLVTVILLILQL 59



QY 27 SORLKGKIDITTRKLDKSKQEBELL--QMIONLQALORAANSSEESORLKGKIDITL 84  
DB 60 SQ-----VSDLIKKQOANITHQEDILEGQIL-----AQRSEKSAQESQKELKEMIETL 108  
QY 85 TLKLNKSKQEBELLQKNONLQALORAANFSGPCPDWLWHKENCYLF-HGPFGEKNR 143  
DB 109 AHKLDEKSKMLHRLONLQEVLEKAAANYSGPCPDWLWHEENCYQFSSGSFNWKSQ 168  
QY 144 QTCOSLGGQLQINGADDLTFILOAISHTTSPFWIGLHRRKPKGQPDWLWENGTPLNFPQFK 203  
DB 169 ENCLSDAHLKLNKSTDELEFIOQIAHSSFPFWGLSMRKNPNYSWLWEDGTPLTPLHLR 228  
QY 204 TRGVSLQLYSSNCAYLQDGAFAENCILIAFSICQKKTNHLQ 246  
DB 229 IQGAVSRMYPSTGTCAYIQRTGTFVFAENCILIAFSICQKCANLLR 271

## RESULT 8

US-09-352-302-4

; Sequence 4, Application US/09352302

; Patent No. 6197937

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; TITLE OF INVENTION: Receptor

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/352,302

; FILING DATE: 12-JUL-1999

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-352-302-4

Query Match 45.1%; Score 594.5; DB 3; Length 273;

Best Local Similarity 44.2%; Pred. No. 1.5e-45;

Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;

QY 1 MTFFDKWKANDEPDOKSGCKPK-----EE 26

DB 1 MTVDDP-KGMKDQDKPNKGTAKTGTGVSSWRWYPAAVTLGLVCLGLLVTVILLIQL 59

QY 27 SORLKGKIDITTRKLDKSKQEBELL--QMIONLQALORAANSSEESORLKGKIDITL 84  
DB 60 SQ-----VSDLIKKQOANITHQEDILEGQIL-----AQRSEKSAQESQKELKEMIETL 108  
QY 85 TLKLNKSKQEBELLQKNONLQALORAANFSGPCPDWLWHKENCYLF-HGPFGEKNR 143  
DB 109 AHKLDEKSKMLHRLONLQEVLEKAAANYSGPCPDWLWHEENCYQFSSGSFNWKSQ 168  
QY 144 QTCOSLGGQLQINGADDLTFILOAISHTTSPFWIGLHRRKPKGQPDWLWENGTPLNFPQFK 203  
DB 169 ENCLSDAHLKLNKSTDELEFIOQIAHSSFPFWGLSMRKNPNYSWLWEDGTPLTPLHLR 228  
QY 204 TRGVSLQLYSSNCAYLQDGAFAENCILIAFSICQKKTNHLQ 246  
DB 229 IQGAVSRMYPSTGTCAYIQRTGTFVFAENCILIAFSICQKCANLLR 271

## RESULT 9

US-08-688-342-1

; Sequence 1, Application US/08688342

; Patent No. 5871964

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Cocks, Benjamin G.

; APPLICANT: Goli, Surya K.

; TITLE OF INVENTION: Hillman, Jennifer L.

; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: US

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 1.5

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/688,342

; FILING DATE: Filed Herewith

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PE-0095-1 CIP

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 201 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; IMMEDIATE SOURCE:

; LIBRARY: WMLRDT01

; CLONE: 515947

US-08-688-342-1

Query Match 19.0%; Score 251; DB 2; Length 201;

Best Local Similarity 35.2%; Pred. No. 5.7e-15;

Matches 45; Conservative 32; Mismatches 49; Indels 2; Gaps 2;

QY 116 SGPCPDWLWHKENCYLFHGBPF-GWKNRQTCQSLGGOLLQINGADDLTFIL-QAISTT 173

DB 71 SSPCPNWIYEKSCYLFMSLSNWDGSKRCQWOLGSLNLLKIDSSNELGFIVKQVSSQPD 130

QY 174 SPFWIGLHRRKPKGQPDWLWENGTPLNFPQFKTGVSLQLYSSNCAYLQDGAFAENCIL 233

DB 131 NSFWIGLSRQTEVPWLWEDGTSFSSNLFQIRTTATQENPNCVNIHVSVIYDQCSVP 190

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QY 234 AFSICOKK 241
Db 191 SYSICEKX 198

RESULT 10
US-09-113-788-1
; Sequence 1, Application US/09113788
; Patent No. 5969104
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/113,788
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/688,342
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0095-1 CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 201 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: MMLR1D01
; CLONE: 515847
; US-09-113-788-1

Query Match 19.0%; Score 251; DB 2; Length 201;
Best Local Similarity 35.2%; Pred. No. 5.7e-15;
Matches 45; Conservative 32; Mismatches 49; Indels 2; Gaps 2;

QY 116 SGPCPDWLWHKENCYLPHGPF-GWKNRQCQSLGQLQINGADDLTPI-LQAISHTTSPFWIGLHRKK 173
Db 71 SSPCPFNWIIYEKSYLFMSLSNWDGSKRCQWOLGNSLLKIDSSNELGFIKQVSSQPD 130

QY 174 SPFWIGHRKKPGOPWLWENGTPLNFOFKTRGVSLQLYSSNCAYLQDGAFAENCILI 233
Db 131 NSFWIGURQTEVPWLWEDGSTFNSLNFQIRTTATQENSPNCVWIIHVSVIDQLCSVP 190

QY 234 AFSICOKK 241
Db 191 SYSICEKX 198

RESULT 11
US-08-772-440-31

; Sequence 31, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; ZIP: 77210
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 180 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; US-08-772-440-31

Query Match 17.6%; Score 231.5; DB 3; Length 180;
Best Local Similarity 29.4%; Pred. No. 2.7e-13;
Matches 52; Conservative 30; Mismatches 88; Indels 7; Gaps 3;

QY 67 ANSSBESQBELKGIKIDTLTLKLNKESKEQELLQKNQNLQELQRAANFSGPCPDWLWH 126
Db 8 SNSGRNPEEK-----DNFLSRNKENHKPTESLDEKVAPEKASQTTGGFSGSCLPNWIMH 62

QY 127 KENCYLF-HGPFGEWKNRQCQSLGQLQINGADDLTPI-LQAISHTTSPFWIGLHRKK 184
Db 63 GKSCYLFSPSGNSWYGSKEHCSQLGAHLLKIDNSKEFEFIESQTSRHRINAFWIGLSRQ 122

QY 185 PQCPWLWENGTPLNFOFKTRGVSLQLYSSNCAYLQDGAFAENCILIAPICQKK 241
Db 123 SEGPMFWEDGSAPFPNSFQVNTVPQESLLHNCVHIGSEVYNQICNTSSYSICEKE 179

RESULT 12
US-08-772-440-8
; Sequence 8, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
```

COUNTRY: USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 FILING DATE: CONCURRENTLY HERewith  
 APPLICATION NUMBER: US/08/772,440  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165  
 REFERENCE/DOCKET NUMBER: UTXD:493  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 512/418-3000  
 TELEFAX: 512/474-7577  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 176 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 US-08-772-440-8

Query Match 17.5%; Score 231; DB 3; Length 176;  
 Best Local Similarity 30.9%; Pred. No. 2.9e-13;  
 Matches 50; Conservative 27; Mismatches 83; Indels 2; Gaps 2;  
 QY 82 DTLTLKLNKSKQEELLQKNQLOALQRAANFSGPCPDWLWHKNCYLFP-HGPFQWE 140  
 DB 14 DNFLSRNKENHKPTSESLDEKVAPSKASQTGGFSQSCLPNWIHGKSCYLFSGNSWY 73  
 QY 141 KNROTCSLGGQLQINGADLTFT-LQAISHTTSPFWIGLHRKKPGQWLWENGTPLNFP 199  
 DB 74 GSKRHCSQLGAHLKIDNSKEFEFIESQTSRHRINAFWIGLSRNSQSEGWFWEDGSAPFP 133  
 QY 200 QFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 241  
 DB 134 NSFQVRNTVPOESLLHNCVWIGHSEVYNQICNTSSYSICEKE 175

## RESULT 13

US-08-772-440-2  
 Sequence 2, Application US/08772440  
 Patent No. 6046158  
 GENERAL INFORMATION:  
 APPLICANT: Ariizumi, Kiyoshi  
 APPLICANT: Takashima, Akira  
 TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 NUMBER OF SEQUENCES: 42  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas  
 COUNTRY: USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 FILING DATE: CONCURRENTLY HERewith  
 APPLICATION NUMBER: US/08/772,440  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165

REFERENCE/DOCKET NUMBER: UTXD:493  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 512/418-3000  
 TELEFAX: 512/474-7577  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 244 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 US-08-772-440-2

Query Match 17.5%; Score 231; DB 3; Length 244;  
 Best Local Similarity 30.9%; Pred. No. 4.5e-13;  
 Matches 50; Conservative 27; Mismatches 83; Indels 2; Gaps 2;  
 QY 82 DTLTLKLNKSKQEELLQKNQLOALQRAANFSGPCPDWLWHKNCYLFP-HGPFQWE 140  
 DB 82 DNFLSRNKENHKPTSESLDEKVAPSKASQTGGFSQSCLPNWIHGKSCYLFSGNSWY 141  
 QY 141 KNROTCSLGGQLQINGADLTFT-LQAISHTTSPFWIGLHRKKPGQWLWENGTPLNFP 199  
 DB 142 GSKRHCSQLGAHLKIDNSKEFEFIESQTSRHRINAFWIGLSRNSQSEGWFWEDGSAPFP 201  
 QY 200 QFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 241  
 DB 202 NSFQVRNTVPOESLLHNCVWIGHSEVYNQICNTSSYSICEKE 243

## RESULT 14

US-09-517-605-2  
 Sequence 2, Application US/09517605  
 Patent No. 6391567  
 GENERAL INFORMATION:  
 APPLICANT: Littman, Dan R.  
 APPLICANT: Kwon, Douglas S.  
 APPLICANT: van Kooyk, Yvette  
 APPLICANT: Geijtenbeck, Theo  
 TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO  
 FILE REFERENCE: 1049-1-017  
 CURRENT APPLICATION NUMBER: US/09/517,605  
 CURRENT FILING DATE: 2000-03-02  
 NUMBER OF SEQ ID NOS: 17  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO 2  
 LENGTH: 404  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-517-605-2

Query Match 16.9%; Score 223; DB 4; Length 404;  
 Best Local Similarity 26.0%; Pred. No. 4.5e-12;  
 Matches 67; Conservative 54; Mismatches 107; Indels 30; Gaps 10;  
 QY 6 KMKPANDPEPQKS-----CGKKPKESQRELKGIKDTI---TRKLDKSK 47  
 DB 129 RLKAAVGLPEKSLQBIYQELTWLKAAGVGLPEKSKMQEIYQELTRLKAAVGLPEKSK 188  
 QY 48 EOEELLQMIQNLQALQRAANSSESO--RELKGIKDTLTLKLNKSKQEELLQKNQNL 105  
 DB 189 -QQEIYQELTRLKAAVGLPEKSKQBIYQELT-RLKAAVGLPEKSK-QOEIYQELTQL 245  
 QY 106 QEALQRAANFSGPCPDWLWHKENCY-LFHGPFQWEKNRQPCQSLGGQLQINGADLTFT 164  
 DB 246 KAAVERLCH---PCPWEWTFQGCYFMSNSQRMWHHSITACKVEGQLVVIKSAEQNF 302  
 QY 165 ILQAISHTTSPFWIGLHRKKPGQWLWENGTPLP--NFQFFKTRGVSLQYSSNCAYLQD 222  
 DB 303 LQLQSSRSNRFTWMLGSLDLNQEQTWQWDGSPLLPSFKQYWNRPNNV-GEEDCAEPFG 361  
 QY 223 GAVFAENCILIAFSICQK 240

Db 362 NGWDDKCNLAKFWICKK 379

## RESULT 15

US-09-996-243-319  
Sequence 319, Application US/09996243

Patent No. 6478825

## GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730P1C13

CURRENT APPLICATION NUMBER: US/09/996.243

CURRENT FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/065770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087759

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088028

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
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PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254

1 PRIOR FILING DATE: 1998-06-22  
2 PRIOR APPLICATION NUMBER: 60/090349  
3 PRIOR FILING DATE: 1998-06-23  
4 PRIOR APPLICATION NUMBER: 60/090355  
5 PRIOR FILING DATE: 1998-06-23  
6 PRIOR APPLICATION NUMBER: 60/090429  
7 PRIOR FILING DATE: 1998-06-24  
8 PRIOR APPLICATION NUMBER: 60/090431  
9 PRIOR FILING DATE: 1998-06-24  
10 PRIOR APPLICATION NUMBER: 60/090435  
11 PRIOR FILING DATE: 1998-06-24  
12 PRIOR APPLICATION NUMBER: 60/090444  
13 PRIOR FILING DATE: 1998-06-24  
14 PRIOR APPLICATION NUMBER: 60/090445  
15 PRIOR FILING DATE: 1998-06-24  
16 PRIOR APPLICATION NUMBER: 60/090472  
17 PRIOR FILING DATE: 1998-06-24  
18 PRIOR APPLICATION NUMBER: 60/090535  
19 PRIOR FILING DATE: 1998-06-24  
20 PRIOR APPLICATION NUMBER: 60/090540  
21 PRIOR FILING DATE: 1998-06-24  
22 PRIOR APPLICATION NUMBER: 60/090542  
23 PRIOR FILING DATE: 1998-06-24  
24 PRIOR APPLICATION NUMBER: 60/090557  
25 PRIOR FILING DATE: 1998-06-24  
26 PRIOR APPLICATION NUMBER: 60/090676  
27 PRIOR FILING DATE: 1998-06-25  
28 PRIOR APPLICATION NUMBER: 60/090678  
29 PRIOR FILING DATE: 1998-06-25  
30 PRIOR APPLICATION NUMBER: 60/090690  
31 PRIOR FILING DATE: 1998-06-25  
32 PRIOR APPLICATION NUMBER: 60/090694  
33 PRIOR FILING DATE: 1998-06-25  
34 PRIOR APPLICATION NUMBER: 60/090695  
35 PRIOR FILING DATE: 1998-06-25  
36 PRIOR APPLICATION NUMBER: 60/090696  
37 PRIOR FILING DATE: 1998-06-25  
38 PRIOR APPLICATION NUMBER: 60/090862  
39 PRIOR FILING DATE: 1998-06-26  
40 PRIOR APPLICATION NUMBER: 60/090863  
41 PRIOR FILING DATE: 1998-06-26  
42 PRIOR APPLICATION NUMBER: 60/091360  
43 PRIOR FILING DATE: 1998-07-01  
44 PRIOR APPLICATION NUMBER: 60/091478  
45 PRIOR FILING DATE: 1998-07-02  
46 PRIOR APPLICATION NUMBER: 60/091544  
47 PRIOR FILING DATE: 1998-07-01  
48 PRIOR APPLICATION NUMBER: 60/091519  
49 PRIOR FILING DATE: 1998-07-02  
50 PRIOR APPLICATION NUMBER: 60/091626  
51 PRIOR FILING DATE: 1998-07-02  
52 PRIOR APPLICATION NUMBER: 60/091633  
53 PRIOR FILING DATE: 1998-07-02  
54 PRIOR APPLICATION NUMBER: 60/091978  
55 PRIOR FILING DATE: 1998-07-07  
56 PRIOR APPLICATION NUMBER: 60/091982  
57 PRIOR FILING DATE: 1998-07-07  
58 PRIOR APPLICATION NUMBER: 60/092182  
59 PRIOR FILING DATE: 1998-07-09

Query Match 16.8%; Score 221; DB 4; Length 280;  
Best Local Similarity 29.2%; Pred. No. 4.2e-12;  
Matches 52; Conservative 34; Mismatches 72; Indels 20; Gaps 6;  
QY 81 IDTLTKLNEKSEOEELLQKNQLQALQRAA-----NFSG-----PCPDWLWHK 127  
DB 86 ISOMEERLGNVTQSEQLQSLQVQNIKLAGSLQHVAKLCRELYNKAGAHRCSPCTEQWKHG 145  
QY 128 ENCYLFH-GPFGWEKNRQTCQSLGQLQINGADLITFIL-QAISHTTSPFWIGLHRKKP 185  
DB 146 DNCYQFYKDSKSWEDKYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTGLLRPDS 205  
QY 186 GQFWLWENGTPLNFOFFKTRGVSLQIYS--SSNCAYLODGAVFAENCILIAFSICOKX 241

DB 206 GKAWLWMDGTFTSELFH---IIIDVTSPRSRDCVAILNGMIFSKDCKELKRCVCERR 260  
Search completed: December 18, 2003, 14:54:12  
Job time : 22 secs

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OM protein - protein search, using sw model

Run on: December 18, 2003, 14:52:52 ; Search time 32 Seconds  
(without alignments)  
1441.543 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: 1 MTFDDKMPANDEPDQKSCG.....ENCILIAFICQKTNHLQI 247

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 696363 seqs, 186758610 residues

Total number of hits satisfying chosen parameters: 696363

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000.

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA.\*  
1: /cgn2\_6/prodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/prodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/prodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/prodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/prodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/prodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/prodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/prodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/prodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/prodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1319	100.0	247	11	US-09-898-554-14
2	1241	94.1	363	10	US-09-870-759-142
3	1241	94.1	363	11	US-09-898-554-20
4	1241	94.1	363	12	US-09-751-708A-142
5	1057	80.1	201	11	US-09-898-554-16
6	972	73.7	364	12	US-10-220-511-15
7	812	61.6	155	11	US-09-898-554-18
8	723	54.8	207	11	US-09-898-554-26
9	643	48.7	278	12	US-10-220-511-11
10	639	48.4	274	12	US-10-220-511-13
11	637	48.3	273	9	US-09-796-858-47
12	637	48.3	273	12	US-10-220-511-2
13	596	45.2	270	12	US-10-220-511-4
14	390	29.6	165	11	US-09-898-554-24
15	363	27.5	189	14	US-10-114-893-48

16	258	19.6	247	12	US-10-270-470-6
17	251	19.0	201	10	US-09-978-295A-477
18	251	19.0	201	10	US-09-978-697-477
19	251	19.0	201	10	US-09-978-192A-477
20	251	19.0	201	10	US-09-999-832A-477
21	251	19.0	201	11	US-09-978-189-477
22	251	19.0	201	11	US-09-978-608A-477
23	251	19.0	201	11	US-09-978-585A-477
24	251	19.0	201	11	US-09-978-191A-477
25	251	19.0	201	11	US-09-978-403A-477
26	251	19.0	201	11	US-09-978-564A-477
27	251	19.0	201	11	US-09-999-833A-477
28	251	19.0	201	11	US-09-981-915A-477
29	251	19.0	201	11	US-09-978-824-477
30	251	19.0	201	11	US-09-918-585A-477
31	251	19.0	201	11	US-09-978-423A-477
32	251	19.0	201	11	US-09-978-193A-477
33	251	19.0	201	11	US-09-999-830A-477
34	251	19.0	201	11	US-09-978-757A-477
35	251	19.0	201	11	US-09-978-187B-477
36	251	19.0	201	11	US-09-978-643A-477
37	251	19.0	201	12	US-09-978-375A-477
38	251	19.0	201	12	US-09-978-188A-477
39	251	19.0	201	12	US-09-978-298A-477
40	251	19.0	201	12	US-10-143-031A-477
41	251	19.0	201	12	US-10-002-967A-477
42	251	19.0	201	12	US-10-017-083A-477
43	251	19.0	201	12	US-10-143-030A-477
44	251	19.0	201	12	US-10-199-672-108
45	251	19.0	201	12	US-10-187-749-108

ALIGNMENTS

RESULT 1

US-09-898-554-14  
; Sequence 14, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHE.  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 14  
; LENGTH: 247  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 7  
US-09-898-554-14

Query Match	100.0%;	Score 1319;	DB 11;	Length 247;
Best Local Similarity	100.0%;	Pred. No. 1.4e-98;		
Matches 247;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MTFDDKMPANDEPDQKSCGKKPKESQREUKGKIDITITRKLDKSKQEELLQMIQNLQ	60	
Db	1	MTFDDKMPANDEPDQKSCGKKPKESQREUKGKIDITITRKLDKSKQEELLQMIQNLQ	60	
Qy	61	EALQRAANSSESQRELKGIKIDITITLKLNEKSKQEELLQKNQLOALQRAANFSGPCP	120	
Db	61	EALQRAANSSESQRELKGIKIDITITLKLNEKSKQEELLQKNQLOALQRAANFSGPCP	120	
Qy	121	QDWLWHKENCYLFHGPGWENKQRTQCSLGGQLQINGADLTITLQNISSHTTSPFWIGL	180	

Db 121 QDWLWHKNCVLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 180  
Qy 181 HRKPGQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQK 240  
Db 181 HRKPGQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQK 240  
Qy 241 KTNHLQI 247  
Db 241 KTNHLQI 247

RESULT 2  
US-09-870-759-142  
; Sequence 142, Application US/09870759  
; Patent No. US20020177551A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 870759  
; CURRENT APPLICATION NUMBER: US/09/870,759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 142  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-870-759-142

Query Match 94.1%; Score 1241; DB 10; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFDKMKPANDPDKSCGKKPK----- 24  
Db 1 MTFDKMKPANDPDKSCGKKPKGLHLLSSPFWPAAMTLVILCLVLSVTLIVQWTQLR 60  
Qy 25 ----- 24  
Db 61 QVSDLLKQYQANLTQDDRILEGQMLAQQAENASQESKELKGKIDTLTKLNEKSKEQ 120  
Qy 25 -----ESORELKGKIDTITRKLDEKSKQEBELLQMIQNLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESORELKGKIDTITRKLDEKSKQEBELLQMIQNLQALQ 180  
Qy 65 RAANSSEESORELKGKIDTITLKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 124  
Db 181 RAANSSEESORELKGKIDTITLKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 240  
Qy 125 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PCQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQKTNH 244  
Db 301 PCQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQKTNH 360  
Qy 245 LQI 247  
Db 361 LQI 363

RESULT 3  
US-09-898-554-20  
; Sequence 20, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS

; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 20  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 1  
US-09-898-554-20

Query Match 94.1%; Score 1241; DB 11; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFDKMKPANDPDKSCGKKPK----- 24  
Db 1 MTFDKMKPANDPDKSCGKKPKGLHLLSSPFWPAAMTLVILCLVLSVTLIVQWTQLR 60  
Qy 25 ----- 24  
Db 61 QVSDLLKQYQANLTQDDRILEGQMLAQQAENASQESKELKGKIDTLTKLNEKSKEQ 120  
Qy 25 -----ESORELKGKIDTITRKLDEKSKQEBELLQMIQNLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESORELKGKIDTITRKLDEKSKQEBELLQMIQNLQALQ 180  
Qy 65 RAANSSEESORELKGKIDTITLKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 124  
Db 181 RAANSSEESORELKGKIDTITLKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 240  
Qy 125 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PCQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQKTNH 244  
Db 301 PCQFWLWENCTPLNPFQFTRGVSLQYSSNCAYLQDGAFAENCILLIAFSICQKTNH 360  
Qy 245 LQI 247  
Db 361 LQI 363

RESULT 4  
US-09-751-708A-142  
; Sequence 142, Application US/09751708A  
; Publication No. US20030157113A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 751708  
; CURRENT APPLICATION NUMBER: US/09/751,708A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 60/173,371  
; PRIOR FILING DATE: 1999-12-28  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 142  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-751-708A-142

Query Match 94.1%; Score 1241; DB 12; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFDKMKPANDPDKSCGKKPK----- 24

Db 1 MTFFDDKMKPANDPDKSCGKPKGLHLLSSPWFPAAMTVILCLVLSVTIIVQWTLR 60  
QY 25 ----- 24  
Db 61 QVSDLLKQYQANLTQODRILEGOMLAQAQKNAASQESKELGKIDTLTKLNEKSKEOE 120  
QY 25 ----- ESORELKGKIDITITRKLDEKSKOEELLOMTIONLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESQRELKIDITITRKLDEKSKOEELLOMTIONLQALQ 180  
QY 65 RAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 124  
Db 181 RAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 240  
QY 125 WKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
QY 185 PQPWLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 244  
Db 301 PQPWLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 360  
QY 245 LQI 247  
Db 361 LQI 363

## RESULT 5

US-09-898-554-16  
; Sequence 16, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHS2)

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; PRIORITY FILING DATE: 2001-07-02

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 16

; LENGTH: 201

; TYPE: PRT

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: misc.feature

; OTHER INFORMATION: Isoform 8

US-09-898-554-16

Query Match 80.1%; Score 1057; DB 11; Length 201;  
Best Local Similarity 80.6%; Pred. No. 1.4e-77;  
Matches 199; Conservative 0; Mismatches 2; Indels 46; Gaps 1;

QY 1 MTFFDDKMKPANDPDKSCGKPKGLHLLSSPWFPAAMTVILCLVLSVTIIVQWTLR 60  
Db 1 MTFFDDKMKPANDPDKSCGKPKGLHLLSSPWFPAAMTVILCLVLSVTIIVQWTLR 24  
QY 61 EALQRAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCP 120  
Db 25 ----- ESORELKGKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCP 74  
QY 121 QDWLHKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 180  
Db 75 QDWLHKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 134  
QY 181 HRKXPGQPLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 240  
Db 135 HRKXPGQPLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 194  
QY 241 KTNHLQI 247

Db 195 KTNHLQI 201

## RESULT 6

US-10-220-511-15  
; Sequence 15, Application US/10220511

; Publication No. US20030143226A1

; GENERAL INFORMATION:

; APPLICANT: Kobayashi, Yoko

; APPLICANT: Teuji, Hiroyuki

; APPLICANT: Kamada, Masafumi

; APPLICANT: Sawamura, Tatsuya

; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; FILE REFERENCE: SHIM-017

; CURRENT APPLICATION NUMBER: US/10/220,511

; PRIOR FILING DATE: 2002-12-06

; PRIOR APPLICATION NUMBER: JP P2000-57745

; PRIOR FILING DATE: 2000-03-02

; PRIOR APPLICATION NUMBER: JP P2000-333116

; PRIOR FILING DATE: 2000-10-31

; PRIOR APPLICATION NUMBER: PCT/JP01/01636

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 15

; LENGTH: 364

; TYPE: PRT

; ORGANISM: Rattus norvegicus

US-10-220-511-15

Query Match 73.7%; Score 972; DB 12; Length 364;  
Best Local Similarity 53.2%; Pred. No. 2.1e-70;  
Matches 192; Conservative 23; Mismatches 30; Indels 116; Gaps 2;

QY 1 MTFFDDKMKPANDPDKSCGKPKGLHLLSSPWFPAAMTVILCLVLSVTIIVQWTLR 24  
Db 1 MAFDDKMKPVNGQPDQKSCGKPKGLHLLSSPWFPAAMTVILCLVLSVTIIVQWTLR 60  
QY 25 ----- ESORELKGKIDITITRKLDEKSKOE 50  
Db 61 QVSDLLKQYQANLTQODRILEGOMLAQAQKNAASQESKELGKIDITITLTKLNEKSKEOE 120  
QY 51 ELLQKNQNLQALQRAANS ----- 69  
Db 121 KLLQKNQNLQALQRAANSSEESQRELKIDITILNKLNGISKEQELLOKNQNLQALQ 180  
QY 70 ----- SEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 124  
Db 181 KAERYSEESQRELKIDITLTSWKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 240  
QY 125 WKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WKENCYLFHGFPGWEKKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
QY 185 PQPWLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 244  
Db 301 PNHFWLWENGTPLNFFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 360  
QY 245 L 245  
Db 361 L 361

## RESULT 7

US-09-898-554-18

; Sequence 18, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING



; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 155  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 9  
US-09-898-554-18

Query Match 61.6%; Score 812; DB 11; Length 155;  
Best Local Similarity 61.9%; Pred. No. 5,7e-58;  
Matches 153; Conservative 0; Mismatches 2; Indels 92; Gaps 1;  
Qy 1 MTFDDKMPANDEPDQKSGKKPKESORELKGKIDITITRLKDEKSEBELLQMIQNLQ 60.  
Db 1 MTFDDKMPANDEPDQKSGKKPK-----24  
Qy 61 EALQRAANSSEESORELKGKIDITITRLKNEKSEBELLQKNQNLQALQRAANFSGPCP 120  
Db 25 -----GCP 28  
Qy 121 QDWLWHKENCYLFHGFPGWKNRQTCQSLGQQLQINGADDITFILOAISHTTSPFWIGL 180  
Db 29 QDWLWHKENCYLFHGFPGWKNRQTCQSLGQQLQINGADDITFILOAISHTTSPFWIGL 88  
Qy 181 HRKXPGQPLWENGTPPLNFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSCQK 240  
Db 89 HRKXPGQPLWENGTPPLNFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSCQK 148  
Qy 241 KTNHLQI 247  
Db 149 KTNHLQI 155

RESULT 8  
US-09-898-554-26  
; Sequence 26, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 4  
US-09-898-554-26

Query Match 54.8%; Score 723; DB 11; Length 207;  
Best Local Similarity 66.7%; Pred. No. 1,2e-50;  
Matches 142; Conservative 16; Mismatches 19; Indels 36; Gaps 4;  
Qy 1 MTFDDKMPANDEPDQKSGKKPK-----ESORELK 32  
Db 1 MTFDDKMPANDEPDQKSGKKPK-----24  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 4  
US-09-898-554-26

Qy 33 GKIDTITRLKDEKSEBELL--QMIONLQALQRAANSSEESORELKGKIDITITLKLNE 90  
Db 61 -QVSDLLKQYQANLTQODRILEGQML-----AQKAENTSQSKKELGKIDITLTKLNE 114  
Qy 91 KSKEBELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLFHGFPGWKNRQTCQSLG 150  
Db 115 KSKEBELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLFHGFPGWKNRQTCQSLG 174  
Qy 151 GQLLQINGADDITFILOAISHTTSPFWIGLHRK 183  
Db 175 GQLLQINGADDITFILOAISHTTSPFWIGLHRK 207

RESULT 9  
US-10-220-511-11  
; Sequence 11, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Oryctolagus cuniculus  
US-10-220-511-11

Query Match 48.7%; Score 643; DB 12; Length 278;  
Best Local Similarity 49.3%; Pred. No. 4,9e-44;  
Matches 135; Conservative 39; Mismatches 70; Indels 30; Gaps 6;  
Qy 1 MTFDD-KMKPANDEPDQKSGKKPKESORELK-----GKIDITITR---40  
Db 5 MAVDDLKVKPMKQDPQKSGKKPK--GLRFLSSPWWCPAAVALGVLCGLSLMTIIMLG 62  
Qy 41 ---KLDEKSEBELLQMIQNLQ-----ALQRAANSSEESORELKGKIDITITLKLNEKSK 93  
Db 63 QLLQVSDLLKQYQANLTQODRILEGQML-----AQKAENTSQSKKELGKIDITLTKLNEKSK 122  
Qy 94 EQBELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFQWKNRQTCQSLGQ 152  
Db 123 QKMLNHQVNLQALQRAANFSGPCPDWLWHKENCYLFSSGSGFNWESSQEKCLSLDAQ 182  
Qy 153 LQINGADDITFILOAISHTTSPFWIGLHRKXPGQPLWENGTPPLNFQFKTRGVSLQY 212  
Db 183 LLKINSTEDLGFTOQATSHSSPFWMLSRKRRKPDVSLWEDGSLPLPHLFRFQCAVSQRY 242  
Qy 213 SSSNCAYLQDGAFAENCILIAFSCQKTNHLQ 246  
Db 243 PSGTCAIYOKGNVFAENCILVAYSICQKKNLRL 276

RESULT 10  
US-10-220-511-13  
; Sequence 13, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki

```
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Sus scrofa
US-10-220-511-13

Query Match      48.4%; Score 639; DB 12; Length 274;
Best Local Similarity 47.3%; Pred. No. 1e-43;
Matches 131; Conservative 37; Mismatches 73; Indels 36; Gaps 5;

QY 1 MTFDD-KMKPANDPDKSCGKKPKESQRELK----- 32
DB 1 MTLDDLKSNMKDQPKESKNG--DKAEGPRSLTLRWRPAALILGLLGLVTVILLII 58

QY 33 --GKIDTTTRKLDKSKQEBELLQMIQNLQALQALQRAANSSESORELKIDITLTKLNE 90
DB 59 QLSQVSDLLTKQVKLTHTQEDIL---EGQALAQRAEKSSQESQRELTEMIETLAHLDE 115

QY 91 KSKQEBELLQKNQNLQALQALQRAANSFGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 149
DB 116 KSKQEBELLQKNQNLQALQALQRAANSFGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 175

QY 150 GGQLLQINGADDLTFLQAIHSHTTSPFWIGLHKKKPGQPLWNGTPTLNFQFFKTRGVSL 209
DB 176 DAQLLKINSTDDLEFIQQTIAHSSFPFWGLSLRKFNNSWLEDGTPLMLPHLFLRQGAAS 235

QY 210 QLYSSNCAYLQDGAFAENCILIAFSCQKKTNHLQ 246
DB 236 QMYPGTCAYIHRGIVFAENCILIAFSCQKKNALLR 272

RESULT 11
US-09-796-858-47
; Sequence 47, Application US/09796858
; Patent No. US20020055139A1
; GENERAL INFORMATION:
; APPLICANT: Holtzmann, Douglas
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC,
; TITLE OF INVENTION: PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 7853-226-999
; CURRENT APPLICATION NUMBER: US/09/796,858
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/399,723
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 09/471,179
; PRIOR FILING DATE: 1999-12-23
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; PRIOR APPLICATION NUMBER: 09/474,071
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/474,072
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/572,002
; PRIOR FILING DATE: 2000-05-14
; PRIOR APPLICATION NUMBER: 09/597,993
; PRIOR FILING DATE: 2000-06-12
; PRIOR APPLICATION NUMBER: 09/599,596
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/606,565
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/365,164
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 47
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-858-47

Query Match      48.3%; Score 637; DB 9; Length 273;
Best Local Similarity 48.9%; Pred. No. 1.4e-43;
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

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QY 39 -----TRKLDKSKQEBELLQMIQNLQALQALQRAANSSESORELKIDITLTKLNE 90
DB 56 LGMQLSQVSDLLTQEQANLTHQKKLEGQISARQQAEEASQESNELKEMETLARKLNE 115

QY 91 KSKQEBELLQKNQNLQALQALQRAANSFGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 149
DB 116 KSKQEBELLQKNQNLQALQALQRAANSFGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 175

QY 150 GGQLLQINGADDLTFLQAIHSHTTSPFWIGLHKKKPGQPLWNGTPTLNFQFFKTRGVSL 209
DB 176 DAKLLKINSTADLFIQQAISYSPFPFWGLSLRRNPSPYPLWLEDGSLMLPHLFLRVRGAVS 235

QY 210 QLYSSNCAYLQDGAFAENCILIAFSCQKKTN 243
DB 236 QTYPSGTCAYIQRGAVNAENCILIAFSCQKKN 269

RESULT 12
US-10-220-511-2
; Sequence 2, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yuko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
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/ EARLIER FILING DATE: 1999-10-06  
/ NUMBER OF SEQ ID NOS: 321  
/ SOFTWARE: PatentIn Ver. 2.0  
/ SEQ ID NO 48  
/ LENGTH: 189  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-114-893-48

Query Match 27.5%; Score 363; DB 14; Length 189;  
Best Local Similarity 44.0%; Pred. No. 1.1e-21;  
Matches 85; Conservative 25; Mismatches 47; Indels 36; Gaps 6;  
Qy 1 MTFDD-KMKPANDPDKSCGKPKKEESQRELK-----GKIDTI-- 38  
Db 1 MTFDDLKIQTVDKDPDKSNGKKK-----GLQFLYSPWWCLAAATLGVLCLGLVVTIMV 55  
Qy 39 -----TRKLDKSKTQEBLLQMIQLQ---EALQRAANSSESQRELKIDTLTKLNE 90  
Db 56 LGMQLSQVSDLLTQEQANLTHOKKLEGGQISARQQAEEASQSENELKEMIETLARKLNE 115  
Qy 91 KSKEQEBELLQKNQLQEALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNQTCOSL 149  
Db 116 KSKEQEMELHHQNLNQETLKVANCAPCPQDWIWHGENCYLFPSSGSFNWEKSKCLSL 175  
Qy 150 GGQLLIQINGADDL 162  
Db 176 DAKLLKINSTADL 188

Search completed: December 18, 2003, 14:58:39  
Job time : 33 secs

GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: December 18, 2003, 23:36:06 ; Search time 67 Seconds  
(without alignments)  
1627.189 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: 1 MTFDKMKPANDPDKSCG.....ENCILIAFSICKTNHLQI 247

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Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-FGAPEXT=7 -FGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:\*

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5: /cgn2\_6/prodata/1/ina/PTUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	637	48.3	1318	2	US-08-809-494A-5
2	637	48.3	1318	3	Sequence 5, Appli
3	596	45.2	1897	2	US-09-352-302-5
4	596	45.2	1897	3	Sequence 5, Appli
5	594.5	45.1	1906	2	US-08-809-494A-1
6	594.5	45.1	1906	3	Sequence 1, Appli
7	251	19.0	990	2	US-08-809-494A-3
8	251	19.0	990	3	Sequence 3, Appli
9	251	19.0	990	4	US-09-113-788-2
10	231	17.5	528	3	Sequence 2, Appli
11	231	17.5	528	4	Sequence 804, App
12	223	16.9	1212	3	Sequence 7, Appli
					Sequence 1, Appli
					Sequence 9, Appli

13	223	16.9	1212	3	US-09-591-435-11
14	223	16.9	1312	4	US-09-517-605-1
15	221	16.8	1740	2	US-09-055-095-2
16	221	16.8	1841	4	US-09-996-243-318
17	212	16.1	1212	3	US-09-591-435-10
18	207	15.7	378	3	US-08-772-440-9
19	186	14.1	885	1	US-08-365-103B-3
20	186	14.1	924	1	US-08-365-103B-5
21	186	14.1	970	1	US-08-690-095-2
22	186	14.1	970	3	US-09-113-789-2
23	186	14.1	970	4	US-09-016-434-800
24	186	14.1	1005	1	US-08-365-103B-1
25	186	14.1	1737	4	US-08-482-273-34
26	179	13.6	821	4	US-09-247-155-52
27	179	13.6	963	4	US-09-996-243-423
28	166.5	12.6	693	3	US-08-543-246B-13
29	166.5	12.6	1222	3	US-08-543-246B-5
30	166.5	12.6	1223	4	US-09-016-434-1347
31	166	12.6	871	1	US-08-650-578-1
32	165.5	12.5	1025	1	US-08-365-103B-9
33	165.5	12.5	1037	1	US-08-365-103B-7
34	163	12.4	573	4	US-09-531-056A-5
35	158.5	12.0	402	3	US-08-543-246B-10
36	158.5	12.0	648	3	US-08-543-246B-14
37	158.5	12.0	1755	3	US-08-543-246B-8
38	154.5	11.7	600	5	PCT-US93-10418-1
39	152.5	11.6	1370	3	US-09-111-470-9
40	150	11.4	4771	3	US-08-840-062-3
41	149.5	11.3	699	3	US-08-543-246B-11
42	149.5	11.3	1387	3	US-08-543-246B-1
43	149	11.3	4588	3	US-08-840-062-1
44	148.5	11.3	738	2	US-08-738-462-1
45	148.5	11.3	738	5	PCT-US94-07587-1

ALIGNMENTS

RESULT 1

US-08-809-494A-5  
; Sequence 5, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION NUMBER:  
; APPLICATION DATA: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1318 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdaBdahlOX-1  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 66..125  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948  
 US-08-809-494A-5

## Alignment Scores:

Pred. No.: 1.08e-65  
 Score: 637.00  
 Percent Similarity: 61.68%  
 Best Local Similarity: 48.91%  
 Query Match: 48.29%  
 DB: 2  
 Gaps: 6

US-09-898-554-14 (1-247) x US-08-809-494A-5 (1-1318)

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 Qy 20 GlyLysLysProLysGluLysGlnArgGluLeuLys----- 32  
 Db 187 GGAAGAAAGCTAA-----GGTCTTCAGTTCTTTTACTCTCCATGTTGG 231  
 Qy 33 -----GlyLysIleAspThrIle----- 38  
 Db 232 TGCCTGGCTGCTGCAGCTCTAGGGGTCCTTTGCTGGGATAGTAGTCACCATTTATGGTG 291  
 Qy 39 -----ThrArgLysLeuAspGluLysSerLysGluGlnGluGluLeu 53  
 Db 292 CTGGGCAATGCAATTATCCAGTGTCTGACCTCTCAACAGAGCAAGCAAACTAACT 351  
 Qy 54 GlnMetIleGlnAsnLeuGln-----GluAlaLeuGlnArgAlaAsnSer 70  
 Db 352 CACCAGAAAAGAAAGCTGGAGGAGCAGATCTCAGCCGGCAACAGCAGAGAAAGCTTCA 411  
 Qy 71 GluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeuThrLeuLysLeuAsnGlu 90  
 Db 412 CAGAGTCAGAAAAGCAACTCAAGGAATGATAGAACCTTGTCTCGGAGCTCAATGAG 471  
 Qy 91 LysSerLysGluGlnGluGluLeuLysAsnGlnAsnLeuGlnGluAlaLeuGln 110  
 Db 472 AAATCCAAAGCAAAATGGAATCTCACCCAGAAATCTGAATCTCCAGAAACACTGAAG 531  
 Qy 111 ArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCys 130  
 Db 532 AGAGTAGCAAAATGTTTTCAGTCTCTGCGCAAGACTGGATCTCGCATGGAGAAACTGT 591  
 Qy 131 TyrLeuPhe---HisGlyProPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeu 149

Db 592 TACCTATTTTCTCGGGCTCATTTAACTGGGAAAGAGCAAGAGAGTGCTTGTCTTTG 651  
 Qy 150 GlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIle 169  
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 Qy 170 SerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLysProGlyGlnProTtp 189  
 Db 712 TCTATTCCAGTTTCCATTCCTGGATGGGGCTGTCTCGGAGGAAACCCAGACTACCATGG 771  
 Qy 190 LeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThrArgGlyValSerLeu 209  
 Db 772 CTCGGGAGGACGGTTCTCTTTGATGCCCACTTATTATTAGATCCGAGCGCTGTCTCC 831  
 Qy 210 GlnLeuTySerSerSerAsnCysAlaTyLeuGlnAspGlyAlaValPheAlaGluAsn 229  
 Db 832 CAGACATACCTCTCAGGTACCTGTGCATATATACACAGGAGGAGCTGTTTATCGGAAAC 891  
 Qy 230 CysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsn 243  
 Db 892 TGCATTTTACCTGCCTTCAGTATATGTGAGAGAGGCAAC 933

## RESULT 2

US-09-352-302-5  
 ; Sequence 5, Application US/09352302  
 ; Patent No. 6197937

; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352,302  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 5:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1318 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Homo Sapiens  
 ; TISSUE TYPE: Lung, placenta

IMMEDIATE SOURCE:  
LIBRARY: Human lung cDNA  
CLONE: lambdahLOX-1  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 66..125  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 949..1309  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 127..948  
US-09-352-302-5

## Alignment Scores:

Pred. No.: 1.08e-65 Length: 1318  
Score: 637.00 Matches: 134  
Percent Similarity: 61.68% Conservative: 35  
Best Local Similarity: 48.91% Mismatches: 69  
Query Match: 48.29% Indels: 36  
DB: 3 Gaps: 6

US-09-898-554-14 (1-247) x US-09-352-302-5 (1-1318)

QY 1 MetThrPheAspSer---LysMetLysProAlaAsnAspGluProAspGlnLysSerCys 19  
DB 127 ATGACTTTTGTGATGACCTAAAGATCCAGACTGTGAAGACCAGCCTGATGAGAAGTCAAAAT 186  
QY 20 GlyLysLysProLysGluGluSerGlnArgGluLys----- 32  
DB 187 GGAAAAAAGCTAAA-----GGTCTTCAGTTCTTACTCTCTCATGGTGG 231  
QY 33 -----GlyLysIleAspThrIle----- 38  
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DB 532 AGAGTAGCAAAATGTTGCTGCTTCTCGCAGACTGGATCTGGCATGGAGAAACTGT 591  
QY 131 TyrLeuPhe---HisGlyProPheGlyTyrGluLysAsnArgGlnThrCysGlnSerLeu 149  
DB 592 TACCTATTTCCTCGGGCTCATTTAACTGGGAAAGAGCAAGAGAGTGTGCTTTG 651  
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QY 170 SerHisThrSerProPheTyrIleGlyLeuHisArgLysLysProGlyGlnProTyr 189  
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DB 772 CTCTGGGAGGCGTCTCTCTTTGATGCCCTTATTTAGATCGGAGCGCTGTCTCC 831  
QY 210 GlnLeuTyrSerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsn 229

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DB 892 TGCATTTTACCTGCTTCAGTATATGTCAGAAAGGCAAC 933

## RESULT 3

US-09-809-494A-1  
Sequence 1, Application US/08809494A  
Patent No. 5952260  
GENERAL INFORMATION:  
APPLICANT: Sawamura, Tatsuya  
APPLICANT: Masaki, Tomoo  
TITLE OF INVENTION: Modified Low-Density Lipoprotein  
TITLE OF INVENTION: Receptor  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
STREET: 261 Madison Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/809,494A  
FILING DATE: 24-MAR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1897 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bos taurus  
TISSUE TYPE: Vascular endothelial cells  
IMMEDIATE SOURCE:  
LIBRARY: Bovine aortic endothelial cell cDNA  
CLONE: pBLOX-1  
FEATURE:  
NAME/KEY: polyA site  
LOCATION: 1880..1897  
FEATURE:  
NAME/KEY: misc\_RNA  
LOCATION: 1859..1864  
OTHER INFORMATION: /function= "PolyA Signal"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..34  
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NAME/KEY: 3'UTR

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US-09-352-302-1
; Sequence 1, Application US/09352302
; Patent No. 6197937
; GENERAL INFORMATION:
; APPLICANT: Sawamura, Tatsuya
; APPLICANT: Masaki, Tomoo
; TITLE OF INVENTION: Modified Low-Density Lipoprotein
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAlulay Fisher Nissen Goldberg & Kiel
; STREET: 261 Madison Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/352.302
; FILING DATE: 12-JUL-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-321705
; FILING DATE: 30-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-214206
; FILING DATE: 31-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldberg, Jules E
; REGISTRATION NUMBER: 24408
; REFERENCE/POCKET NUMBER: JG-YY-4363PCT/D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 986-4090
; TELEFAX: 212 818-9479
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1897 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bos taurus
; TISSUE TYPE: Vascular endothelial cells
; IMMEDIATE SOURCE:
; LIBRARY: Bovine aortic endothelial cell cDNA
; CLONE: pBLOX-1
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 1880..1897
; FEATURE:
; NAME/KEY: misc RNA
; LOCATION: 1859..1864
; OTHER INFORMATION: /function= "PolyA Signal"
; FEATURE:
; NAME/KEY: 5'UTR
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US-09-352-302-1
Alignment Scores: 1.34e-60 Length: 1897
Pred. No.:

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/	LOCATION:	848..1897
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Best Local Similarity:	44.64%	Mismatches:
Query Match:	45.13%	Indels:
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Dd	152	GTCTTTTGTCTGGGATTACTGCTGACTCTTATATTGTTGATCTGCCAATTATCCCAG--- 208
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Qy	128	GluAsnCysTyrrLeuPhe---HisGlyProPheGlyTrpGluLysAsnArgGlnThrCys 146
Dd	479	GA AAACTGTGTACCAATTTTCCTCTGGCTCTTTTAATTGGGAAAAAGCCAGGAGAACTGC 538
Qy	147	GlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeu 166
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Dd	599	CAATGATTTGCCCATTCACGTTCCCTCTCTGGATGGGGTTGTCAATGAGAAAACCAAT 558
Qy	187	GlnProTrpLeuTrpGluAsnGlyThr-ProLeuAsnPheGlnPhePheLysThrArgGly 206
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 Percent Similarity: 58.57%  
 Best Local Similarity: 44.64%  
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US-09-898-554-14 (1-247) x US-09-352-302-1 (1-1897)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
 DB 35 ATGACTGTGTGATGACCC---AAGGGTATGAAGATCAACTGTGATGAGCAAGCAAAATGGC 91  
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 DB 152 GTCTTTGTCTGGGATTACTGGTGACTGTATATTGTTGATCTGCAATATCCAG--- 208  
 QY 30 GluLeuLysGlyLysLeuAspThrLeuArgLysSerLysGluGln 49  
 DB 209 -----GTCTCTGATCTCATAAAGAAACAGCAAGCAAAATATTACTCACCAG 253  
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 DB 254 GAAGATATCTGGAGGACAGATTTTA-----GCCAGCGCCGATCAGAA 298  
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 DB 419 GTTCTGAAGAGGACAGCAAACTATTCAGGTCTTGTCCCAAGCACTGGCTGGCATGAA 478  
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 DB 479 GAAACTGTACCAATTTCTCTGCTCTTTAATGGGAAAAAGCCAGGAACTGC 538  
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RESULT 5

US-08-809-494A-3  
 ; Sequence 3, Application US/08809494A  
 ; Patent No. 5962260  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor

NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 1..34  
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 NAME/KEY: 3'UTR  
 LOCATION: 857..1906  
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 LOCATION: 35..856  
 US-08-809-494A-3  
 Alignment Scores:  
 Pred. No.: 2,04e-60 Length: 1906  
 Score: 594.50 Matches: 125  
 Percent Similarity: 57.95% Conservative: 39  
 Best Local Similarity: 44.17% Mismatches: 70  
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 US-09-898-554-14 (1-247) x US-08-809-494A-3 (1-1906)

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Db 779 ACTGTTTTTGTGAAACTGCAATTTTAACCTGCAATTCAGTATATGTCAAAAGAGCGGAT 838  
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## RESULT 6

US-09-352-302-3

; Sequence 3, Application US/09352302

; Patent No. 6197937

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/352,302  
FILING DATE: 12-JUL-1999  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1906 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bos taurus  
TISSUE TYPE: vascular endothelial cells  
IMMEDIATE SOURCE:  
LIBRARY: Bovine aortic endothelial cells cDNA  
CLONE: pBLOX-1  
FEATURE:  
NAME/KEY: polyA site  
LOCATION: 1889..1906  
FEATURE:  
NAME/KEY: misc RNA  
LOCATION: 1864..1873  
OTHER INFORMATION: /function= "PolyA Signal"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..34  
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FEATURE:  
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LOCATION: 35..856  
US-09-352-302-3

## Alignment Scores:

Pred. No.:	2,04e-60	Length:	1906
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US-09-898-554-14 (1-247) x US-09-352-302-3 (1-1906)

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QY 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsn 243  
Db 779 ACTGTTTTTGTGAAAACTGCATTTTAAGTGCATTCAGTATATGTCAAAAGAGGCGAAT 838  
QY 244 HisLeuGln 246  
Db 839 CTATTGAGA 847

## RESULT 7

US-08-688-342-2

; Sequence 2, Application US/08688342

; Patent No. 5871964

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Cocks, Benjamin G.

; APPLICANT: Goli, Surya K.

; APPLICANT: Hillman, Jennifer L.

; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: US

ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: Fast-Seq Version 1.5  
CURRENT APPLICATION DATA: US/08/688,342  
APPLICATION NUMBER: US/08/688,342  
FILING DATE: Filed Herewith  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PP-0095-1 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 990 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: MMLR1D101  
CLONE: 515847  
US-08-688-342-2

Alignment Scores:  
Pred. No.: 3,278-20 Length: 990  
Score: 251.00 Matches: 45  
Percent Similarity: 60.16% Conservative: 32  
Best Local Similarity: 35.16% Mismatches: 49  
Query Match: 19.03% Indels: 2  
DB: 2 Gaps: 2

US-09-898-554-14 (3-247) x US-08-688-342-2 (1-990)

QY 116 SerGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCysTyrLeuPheHisGly 135  
Db 285 TCCAGCCCTTGTCTCTCTTAATTTGGATTATATATGAGAAGAGCTGTTATCTATTTCAGCATG 344  
QY 136 ProPhe---GlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeu 154  
Db 345 TCACCTAAATTCCTGGGATCGAAGTAAAGACAATCTGGCAACTGGGCTCTAATCTCTTA 404  
QY 155 GlnIleAsnGlyAlaAspAspLeuThrPheIleLeu---GlnAlaIleSerHisThrThr 173  
Db 405 AAGATAGACAGCTCAATGAATTTGGATTATAGTAAACAAGTCTCTTCCCAACTGAT 464  
QY 174 SerProPheTrpIleGlyLeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsn 193  
Db 465 AATTCATTTTGGATAGGCTTTCTCGGCCCCAGACTGAGGTACCATCTGGGAGGAT 524  
QY 194 GlyThrProLeuAsnPheGlnPhePheLysThrArgGlyValSerLeuGlnLeuTyrSer 213  
Db 525 GGATCAACATTTCTCTTCTTAACCTATTTCAGATCAACACACAGCTACCCAGAAACCCCA 584  
QY 214 SerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIle 233  
Db 585 TCTCAATTTGTTATGATGATTCACGTGTCTGAGTCACTTATGACCAACTGTGTAGTGTGCC 644  
QY 234 AlaPheSerIleCysGlnLysLys 241  
Db 645 TCATATAGTATTGTTGAGAAGAAG 668

## RESULT 8

US-09-113-788-2

; Sequence 2, Application US/09113788

; Patent No. 5969104

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Cocks, Benjamin G.



40	CACAACTTCCTATCAAGAAATAAAGAGAACCCACCAAGCCACAGAAATCATCTTTAGTAGAG	99
102	AsnGlnAsnLeuGlnGlnAlaLeuGlnA-gAlaAlaAsnPheSerGlyProCysProGln	121
100	AAGTGGCTCCCTCCAAGGCATCCCAAACCTACAGGAGGTTTTTCTCAGTCTTCGCCCTTCT	159
122	AspTrpLeuTrpHisIysGluAsnCysTyrLeuPhe--HisGlyProPheGlyTrpGlu	140
150	ARTTGGATCATGCATGGGAAGACTGTACTATTATTTAGCTTCTCAGGAATTCCTGGTAT	219
141	LysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAsp	160
220	GGAAGTAAGAGACACTGCTCCCAAGTAGTGTCTCATCTAGATAGACAACTCAAA	279
151	AspLeuThrPheIle---LeuGlnAlaIleSerHisThrThrSerProPheTrpIleGly	179
280	GAATTGAGTTTCATTGAAGCCAAACATCGTCTCACCGTATTATGCATTTTGGATAGCG	339
180	LeuHisArgIysIysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe	199
340	CTTTCCCGCAATCAGAGTGAAGGGCCATGGTTCTGGGAGGATGGATCAGCATTTCTCCCC	399
200	GlnPhePheIysThrArgGlyValSerLeuGlnLeuTyr-SerSerSerAsnCysAlaTyr	219
400	AACTCGTTTCAAGTCAGAAATACAGTTCGCCAGGAAAGCTTACTGGCAATTTGTGTATGG	459
220	LeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln	239
450	ATTTCATGGATCAGAGTCTACACCAAATCTGCAATACTTCTTCATACAGTATCTGTGAG	519
240	LysIys	241
520	AAGGAA	525

RESULT 11  
US-08-772-440-1  
; Sequence 1, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USE  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772,440  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTXD:493  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2298 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

ATTORNEY/AGENT INFORMATION:  
NAME: Parker, David L.  
REGISTRATION NUMBER: 32,165  
REFERENCE/DOCKET NUMBER: UTXD:493  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512/418-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2298 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

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; LENGTH: 2500 base pairs
;
; TYPE: nucleic acid
; STRANDEDNESS: single
;

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; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1966
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "Y = C or T"
US-08-772-440-1

Alignment Scores:
Pred. No.: 2,79e-17 Length: 2298
Score: 231.00 Matches: 50
Percent Similarity: 47.53% Conservative: 27
Best Local Similarity: 30.86% Mismatches: 83
Query Match: 17.51% Indels: 2
DB: 3 Gaps: 2

US-09-898-554-14 (1-247) x US-08-772-440-1 (1-2298)

Qy 82 AspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLys 101
Db 332 GACAACTTCCTATCAAGAAATPAAGAGAACCAAGCCACAGAAATCATCTTTAGATGAG 391
Qy 102 AsnGlnAsnLeuGlnGlnAlaLeuGlnAlaAlaAsnPheSerGlyProCysProGln 121
Db 392 AAGTGGCTCCTCCAGGCTATCCCAACTACAGAGGTTTCTCAGTCTTGCTTCCT 451
Qy 122 AspTrpLeuTrpHisLysGluAsnCysTyrLeuPhe---HisGlyProPheGlyTrpGlu 140
Db 452 AATTGGATCATGCTGGAAGAGCTGTTACCTATTAGCTTCTCAGGAAATTCCTGGTAT 511
Qy 141 LysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnLeuGlnLeuGlnLeuGln 160
Db 512 GGAAGTAGAGACACTGCTCCAGCTAGTCTCATCTACTGAGATAGAACACTCAAAA 571
Qy 161 AspLeuThrPheLeu---LeuGlnAlaIleSerHisThrThrSerProPheTrpIleGly 179
Db 572 GAATTGGATTCAATTGAAGCCAAACATCGTCTCACCGTATTAATGCAATTTGGTAGGC 631
Qy 180 LeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe 199
Db 632 CTTTCCCGCAATCAGATGGAAGGCCATGTTCTGGGAGGATGATCAGCATTTCTCCCC 691
Qy 200 GlnPhePheLysThrArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTyr 219
Db 692 AACTCGTTTCAAGTCAGAAATACAGTTCCTCCAGGAAAGCTTACTGCACATTTGTATGG 751
Qy 220 LeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239
Db 752 ATTCATGATCAGAGTCTACACCAAAATCTGCAATATCTTCTCATACAGTATCTGTGAG 811
Qy 240 LysLys 241
Db 812 AAGGAA 817

RESULT 12
US-09-591-435-9
; Sequence 9, Application US/09591435
; Patent No. 6280953
; GENERAL INFORMATION:
; APPLICANT: MESSIER, WALTER
; APPLICANT: SIKELA, JAMES M
; TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE
; TITLE OF INVENTION: SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL
; TITLE OF INVENTION: AND MEDICAL CONDITIONS
; FILE REFERENCE: GENO.200.2
; CURRENT APPLICATION NUMBER: US/09/591,435
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/591,435
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/240,915
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/073,263
; PRIOR FILING DATE: 1998-01-30

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; PRIOR APPLICATION NUMBER: 60/098,987
; PRIOR FILING DATE: 1998-09-02
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 9
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-591-435-9

Alignment Scores:
Pred. No.: 9.2e-17 Length: 1212
Score: 223.00 Matches: 67
Percent Similarity: 46.90% Conservative: 54
Best Local Similarity: 25.97% Mismatches: 107
Query Match: 16.91% Indels: 30
DB: 3 Gaps: 10

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US-09-898-554-14 (1-247) x US-09-591-435-9 (1-1212)

Qy 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18
Db 385 CGGCTGAAGCTGCAGTGGTGAGCTTCCAGAGAAATCTAAGCTGCAGGAGATCTACCAG 444
Qy 19 -----CysGlyLysLysProLysGluGlnSerGlnArgGlu 30
Db 445 GAGCTGACCTGGTGAAGCTGCAGTGGTGAGCTTCCAGAGAAATCTAAGATGCAGGAG 504
Qy 31 LeuLysGlyLysLysAspThrIle-----ThrArgLysLeuAspGlyLysSerLys 47
Db 505 ATCTACAGGAGCTGACTCGGCTGAAGGCTGCAGTGGTGAGCTTCCAGAGAAATCTAAG 564
Qy 48 GluGlnGluGlnLeuGlnMetIleGlnAsnLeuGlnGlnAlaLeuGlnArgAlaA 67
Db 565 ---CAGCAGGAGATCTACAGGAGCTGACCCGCTGAAGGCTGCAGTGGTGAGCTTCCA 621
Qy 68 AsnSerSerGluGlnSerGln-----ArgGluLeuLysGlyLysLysAspThrLeuThr 85
Db 622 GAGAAATCTAAGCAGCAGGAGATCTACAGGAGCTGACC---CGGTGAAGGCTGAGTG 678
Qy 86 LeuLysLeuAsnGlyLysSerLysGluGlnGluGlnLeuGlnLysAsnGlnAsnLeu 105
Db 679 GGTGAGCTTCCAGAGAAATCTAAG---CAGCAGGAGATCTACAGGAGCTGACCCAGCTG 735
Qy 106 GlnGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrp 125
Db 736 AAGGCTGCAGTGAACGCTGTCAC---CCCTGCTCCCTGGGAATGACATTC 786
Qy 126 HisLysGluAsnCysTyr---LeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144
Db 787 TTCAGGAAATCTGTTACTTCTCATGCTTAATCCACGGGAACTGGCAGCTCCATCACC 846
Qy 145 ThrCysGlnSerLeuGlyGlnLeuGlnLeuGlnIleAsnGlyAlaAspLeuThrPhe 164
Db 847 GCCTGCAAGAGAGTGGGGCCAGCTCGTGAATCAAAAGTCTGAGGAGCAGAACTTC 906
Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184
Db 907 CTACAGCTGAGTCTTCCAGAAAGTAAACCGCTTCCACCTGGATGGGACTTTTCAGATCTAAAT 966
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeu-----AsnPheGlnPhePhe 202
Db 967 CAGGAGGACGCTGGCAATGGGTGGAGCGGTCACTCTGTGGCCAGCTTCAAGCAGTAT 1026
Qy 203 LysThrArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTyrLeuGlnAsp 222
Db 1027 TGGACAGAGAGAGAGCCCAACAGCTT---GGGGAGGAAGACTGCGCGGAATTTAGTGGC 1083
Qy 223 GlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240
Db 1084 AATGGCTGGAAACGACGACAAATGTAATTTGCAAAATTTCTGGATCTTGCAGAAAG 1137

RESULT 13

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US-09-591-435-11

; Sequence 11, Application US/09591435  
; Patent No. 6280953  
; GENERAL INFORMATION:  
; APPLICANT: MESSIER, WALTER  
; APPLICANT: SIKELA, JAMES M  
; TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE  
; TITLE OF INVENTION: SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL  
; TITLE OF INVENTION: AND MEDICAL CONDITIONS  
; FILE REFERENCE: GENO.200.2  
; CURRENT APPLICATION NUMBER: US/09/591,435  
; PRIOR FILING DATE: 2000-06-09  
; PRIOR APPLICATION NUMBER: 09/591,435  
; PRIOR FILING DATE: 2000-06-09  
; PRIOR APPLICATION NUMBER: 09/240,915  
; PRIOR FILING DATE: 1999-01-29  
; PRIOR APPLICATION NUMBER: 60/073,263  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/098,987  
; PRIOR FILING DATE: 1998-09-02  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 1212  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
US-09-591-435-11

## Alignment Scores:

Pred. No.:	9,2e-17	Length:	1212
Score:	223.00	Matches:	68
Percent Similarity:	45.59%	Conservative:	51
Best Local Similarity:	26.05%	Mismatches:	106
Query Match:	16.91%	Indels:	36
DB:	3	Gaps:	10

US-09-898-554-14 (1-247) x US-09-591-435-11 (1-1212)

QY 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer-----18  
DB 385 CAGCTGAAGGCTGCACTGGTGGAGCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAG 444  
QY 19 -----CysGlyLysProLysLeuGluSerGlnArgGlu 30  
DB 445 GAGCTGACCCGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGCAGCAGGAG 504  
QY 31 LeuLysGlyLysIleAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47  
DB 505 ATCTACCAGGAGCTGACCCGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAG 564  
QY 48 GluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGlnArgAlaA 67  
DB 565 ---CAGCAGAGATCTACCAGGAGCTGAGCCAGCTGAAGGCTGCAGTGGTGGAGCTTCCA 621  
QY 68 AsnSerSerGluGluSerGln-----ArgGluLeuLysGlyLysIleAsp 82  
DB 622 GAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGAGCAGCTGAAGCTGCAGTGGGT 681  
QY 83 ThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuGlnLysAsn 102  
DB 682 -----GAGCTTCCAGAGAAATCTAAG---CAGCAGGAGATCTACCAGGAGCTG 726  
QY 103 GlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAsp 122  
DB 727 ACCAGCTGAAGGCTGAGTGGAGCCCTGTGCCGC-----CGCTGCCCTGGGAA 777  
QY 123 TrpLeuTrpHisLysGluAsnCysTyr---LeuPheHisGlyProPheGlyTrpGluLys 141  
DB 778 TGGACATCTTCCAGAGAAATCTTACTTCACTCTAATCTCCAGCGGAACTGGCAGCAG 837  
QY 142 AsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAsp 161  
DB 838 TCCATCACCCTGCCAAGAGTGGGGGCCAGCTGCTGTAATCAAAAGTCTGTAGGAG 897

QY 162 LeuThrPheLeuLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHis 181  
DB 898 CAGAAATCTCTACAGCTGCAGTCTTCAGAAAGTAACCGCTTCACCTGGATGGGACTTCA 957  
QY 182 ArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeu-----AsnPhe 199  
DB 958 GATCTAAATCATGAAGCAGCAGTGGCAATGGGTGGACGCTCACCTGTGTCCCGCAGCTTC 1017  
QY 200 GlnPhePheLysThrArgGlyValSerLeuGlnLeuTyrSerSerSerAsnCysAlaTyr 219  
DB 1018 GAGCAGTATTGGAACAGAGAGAGCCCAACACGTT---GGGAGGAGAGCTGCGCGAA 1074  
QY 220 LeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239  
DB 1075 TTTAGTGGCAATGGCTGGAACGATGACAAATGTAATCTTGCCAAATCTGGATCTGCAA 1134  
QY 240 Lys 240  
DB 1135 AAG 1137

## RESULT 14

US-09-517-605-1  
; Sequence 1, Application US/09517605  
; Patent No. 6391567  
; GENERAL INFORMATION:  
; APPLICANT: Littman, Dan R.  
; APPLICANT: Kwon, Douglas S.  
; APPLICANT: van Kooyk, Yvette  
; APPLICANT: Geijtenbeek, theo  
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO  
; TITLE OF INVENTION: CELLS  
; FILE REFERENCE: 1049-1-017  
; CURRENT APPLICATION NUMBER: US/09/517,605  
; CURRENT FILING DATE: 2000-03-02  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 1312  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (42)..(1253)  
US-09-517-605-1

## Alignment Scores:

Pred. No.:	1,04e-16	Length:	1312
Score:	223.00	Matches:	67
Percent Similarity:	46.90%	Conservative:	54
Best Local Similarity:	25.97%	Mismatches:	107
Query Match:	16.91%	Indels:	30
DB:	4	Gaps:	10

US-09-898-554-14 (1-247) x US-09-517-605-1 (1-1312)

QY 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer-----18  
DB 426 CGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGCTCAGGAGATCTACCAG 485  
QY 19 -----CysGlyLysProLysGluGluSerGlnArgGlu 30  
DB 486 GAGCTGACCTGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGATGCGAGG 545  
QY 31 LeuLysGlyLysIleAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47  
DB 546 ATCTACCAGGAGCTGACTCGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAG 605  
QY 48 GluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGlnArgAlaA 67  
DB 606 ---CAGCAGGAGATCTACCAGGAGCTGACCCGGCTGAAGGCTGCAGTGGTGGAGCTTCCA 662  
QY 68 AsnSerSerGluGluSerGln-----ArgGluLeuLysGlyLysIleAspThrLeuThr 85

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Db 663 GAGAAATCTAACGACGAGATCTACGAGAGCTGACC---CGCTGAAGGCTGCACTG 719
Qy 86 LeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnLeu 105
Db 720 GGTGAGCTTCCAGAGAAATCTAAG---CAGCAGAGATCTACGAGAGCTGACCCAGCTG 776
Qy 106 GlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrp 125
Db 777 AAGCTGTCAGTGAAGGCTGTGCCAC-----CCCTGTCCCTGGGAATGACATTC 827
Qy 126 HisLysLeuAsnCysTyr---LeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144
Db 828 TTCCAAGGAACACTGTACTTCATGCTTAACCTCCAGCGGAAGTGGCAGACTCCATCACC 887
Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnLysAsnGlyAlaAspLeuThrPhe 164
Db 888 GCCTGCAAGAAGATGGGGGCCCGACCTCGTCTGTAATCAAAAGTGCTGAGGACAGAACTTC 947
Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184
Db 948 CTACAGCTGCAGTCTTCAGAGATTAACCGCTTCACCTGATGGGACTTTCAGATCTAAAT 1007
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeu-----AsnPheGlnPhePhe 202
Db 1008 CAGGAAGGCACGTGGCAATGGTGGCAGCGCTCACCTCTGTTGCCAGCTTCAAGCAGTAT 1067
Qy 203 LysThrArgGlyValSerLeuGlnLeuTrpSerSerSerAsnCysAlaTyrLeuGlnAsp 222
Db 1068 TGGAAACAGGAGAGAGCCCAACAGCTT---GGGAGGAGAGACTGCGCGGAATTTAGTGGC 1124
Qy .223 GlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240
Db 1125 AATGCTGGAACGACGACAAATGTAAATCTTGCCAAATTTCTGGAATCTGCAAAAG 1178
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## RESULT 15

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US-09-055-095-2
; Sequence 2, Application US/09055095
; Patent No. 5945308
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Patterson, Chandra
; APPLICANT: Corley, Neil C.
; APPLICANT: Sather, Susan
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/055,095
; FILING DATE: Filed Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0500 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1740 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGNOT09
; CLONE: 1355922
US-09-055-095-2
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## Alignment Scores:

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Pred. No.: 2,77e-16 Length: 1740
Score: 221.00 Matches: 52
Percent Similarity: 48.31% Conservative: 34
Best Local Similarity: 29.21% Mismatches: 72
Query Match: 16.76% Indels: 20
DB: 2 Gaps: 6
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US-09-898-554-14 (1-247) x US-09-055-095-2 (1-1740)

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Qy 81 IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGln 100
Db 293 ATTTCTCAAAATGGAAGAAATAGGAAATACGTCCTCAAGAGTTGCAATCTCTCAAGTC 352
Qy 101 LysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla----- 113
Db 353 CAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGCTGAAAACTCTGTCGTGAGCTG 412
Qy 114 ---AsnPheSerGly-----ProCysProGlnAspTrpLeuTrpHisLys 127
Db 413 TATAACAAGAGCTGGACACACAGGTGTCAGCCCTTGTACAGAACATGGAATGGCATGGA 472
Qy 128 GluAsnCysTrpLeuPheHis---GlyProPheGlyTrpGluLysAsnArgGlnThrCys 146
Db 473 GACAATTTGCTTACAGTTCTATAAAGACAGCAAAAGTTGGAGGACTGTGAATATTTCTGC 532
Qy 147 GlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeu 166
Db 533 CTTAGTCAAAACTCTACCATGCTGAGATAAACAACAAGACACCTGGAAATTTGCCGCG 592
Qy 167 ---GlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLysPro 185
Db 593 TCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTTTTGGCGCCCTGACAGT 652
Qy 186 GlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThrArg 205
Db 653 GGCAAGGCTGGCTGTGGATGGATGGAACCCCTTTTCATTTCTGAATGTTCCAT----- 706
Qy 206 GlyValSerLeuGlnLeuTrpSer-----SerSerAsnCysAlaTyrLeuGlnAspGly 223
Db 707 ---ATTATAATAGATGTCACCAAGGAGGAGAGAGACTGTGTGGCCATCTCCTTAATGGG 763
Qy 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLys 241
Db 764 ATGATCTTCTCAAGGAGCTGCAAAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAAG 817
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Search completed: December 19, 2003, 01:28:59

Job time : 71 secs



GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: December 19, 2003, 00:30:56 ; Search time 323 Seconds

(without alignments)  
2548.156 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: 1 MTFDDKMKPANDPDKSG.....ENCILIAFSICQKTNHLQI 247

Scoring table:

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Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 2211978 seqs, 1666101734 residues

Total number of hits satisfying chosen parameters: 4423956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing:

Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Database : Published Applications NA:

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:  
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7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:  
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9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:  
10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:  
11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:  
12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:  
16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:  
17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:  
18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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	1	1319	100.0	744	11	US-09-898-554-13	Sequence 13, Appl
	2	1241	94.1	1092	11	US-09-898-554-19	Sequence 19, Appl
	3	1241	94.1	3763	11	US-09-870-759-141	Sequence 141, App
	4	1241	94.1	3763	13	US-09-751-708A-141	Sequence 141, App
	5	1211.5	91.8	1192	11	US-09-898-554-12	Sequence 12, Appl
	6	1138	86.3	1092	11	US-09-898-554-11	Sequence 11, Appl
	7	1057	80.1	606	11	US-09-898-554-15	Sequence 15, Appl
	8	1016	77.0	721	11	US-09-898-554-28	Sequence 28, Appl
	9	972	73.7	3750	10	US-09-917-800A-474	Sequence 474, App
	10	972	73.7	3750	13	US-10-220-511-14	Sequence 14, Appl
	11	812	61.6	468	11	US-09-898-554-17	Sequence 17, Appl
	12	723	54.8	621	11	US-09-898-554-25	Sequence 25, Appl
	13	693	52.5	773	11	US-09-898-554-21	Sequence 21, Appl
	14	660.5	50.1	712	11	US-09-898-554-27	Sequence 27, Appl
	15	643	48.7	1514	13	US-10-220-511-10	Sequence 10, Appl
	16	639	48.4	1578	13	US-10-220-511-12	Sequence 12, Appl
	17	637	48.3	2468	13	US-10-220-511-1	Sequence 1, Appli
	18	637	48.3	2473	15	US-10-198-846-13722	Sequence 13722, A
	19	596	45.2	1879	13	US-10-220-511-3	Sequence 3, Appli
	20	547.5	41.5	736	15	US-10-198-846-9641	Sequence 9641, Ap
	21	466.5	35.4	2350	14	US-10-114-893-47	Sequence 47, Appl
	22	390	29.6	495	11	US-09-898-554-23	Sequence 23, Appl
	23	258	19.6	1018	13	US-10-270-470-5	Sequence 5, Appli
	24	251	19.0	880	13	US-10-270-470-7	Sequence 7, Appli
	25	251	19.0	2349	15	US-10-102-524-1760	Sequence 1760, Ap
	26	251	19.0	2354	15	US-10-102-524-1749	Sequence 1749, Ap
	27	251	19.0	2478	10	US-09-978-295A-476	Sequence 476, App
	28	251	19.0	2478	10	US-09-978-697-476	Sequence 476, App
	29	251	19.0	2478	10	US-09-978-192A-476	Sequence 476, App
	30	251	19.0	2478	10	US-09-999-832A-476	Sequence 476, App
	31	251	19.0	2478	11	US-09-978-189-476	Sequence 476, App
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	33	251	19.0	2478	11	US-09-978-585A-476	Sequence 476, App
	34	251	19.0	2478	11	US-09-978-191A-476	Sequence 476, App
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	39	251	19.0	2478	11	US-09-978-824-476	Sequence 476, App
	40	251	19.0	2478	11	US-09-918-585A-476	Sequence 476, App
	41	251	19.0	2478	11	US-09-978-423A-476	Sequence 476, App
	42	251	19.0	2478	11	US-09-978-193A-476	Sequence 476, App
	43	251	19.0	2478	11	US-09-999-830A-476	Sequence 476, App
	44	251	19.0	2478	11	US-09-978-757A-476	Sequence 476, App
	45	251	19.0	2478	11	US-09-978-187B-476	Sequence 476, App

#### ALIGNMENTS

#### RESULT 1

US-09-898-554-13  
; Sequence 13, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHE  
; FILE REFERENCE: 0575/84077  
; CURRENT APPLICATION NUMBER: US/09/898.554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(744)  
; OTHER INFORMATION:  
; NAME/KEY: misc\_feature

OTHER INFORMATION: Isoform 7  
US-09-898-554-13

Alignment Scores:  
Pred. No.: 8,65e-149 Length: 744  
Score: 1319.00 Matches: 247  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 11 Gaps: 0

US-09-898-554-14 (1-247) x US-09-898-554-13 (1-744)

Qy	1	MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly	20
Db	1	ATGACTTTTGTATGACAGATGAAGCTTCGGAATCAGGAGCTGATCAGAAAGTCATGTGGC	60
Qy	21	LysLysProLysGluGluSerGlnArgLysGlyLysIleAspThrIleThrArg	40
Db	61	AAGAAGCTTAAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGG	120
Qy	41	LysLeuAspGluLysSerLysGlnGlnGluLysLeuGlnMetIleGlnAsnLeuGln	60
Db	121	AAGCTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGAACCTCAA	180
Qy	61	GluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLys	80
Db	181	GAAGCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAG	240
Qy	81	IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGln	100
Db	241	ATAGACACCTTACCTTGAAGCTGACAGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAG	300
Qy	101	LysAsnGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysPro	120
Db	301	AAGAATCAGAACCTCCAAAGAGCCTGCAAGAGAGCTGCAAACTTTTCAGGTCTTGTCCA	360
Qy	121	GlnAspTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGlu	140
Db	361	CAAGACTGGCTGTGCAATAAGAAACCTGTACCTCTTCCATGGGCCCTTTGGCTGGAA	420
Qy	141	LysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAsp	160
Db	421	AAAAACCGCAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGAT	480
Qy	161	AspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeu	180
Db	481	GATCTGACATTCATCTTACAAGCAATTTCCCATACCACTCCCATTCCTGGATTGGATTG	540
Qy	181	HisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGln	200
Db	541	CATCGGAAGAGCCTGGCCCAACCATGGCTATGGGAGATGAATCCCTTTGAAATTTTCAA	600
Qy	201	PhePheLysThrArgGlyValSerLeuGlnLeuTyrsSerSerAsnCysAlaTyrlleu	220
Db	601	TTCTTTAGACAGCGGGCTTCTTTACAGTATATTTTCAATCATCAAGCACTGTGTACCTT	660
Qy	221	GlnAspGlyAlaValAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys	240
Db	661	CAAGACGAGAGCTGTCTTCGCTGAAACTGCAATCTTAATTCATTCAGCATATGTGAGAG	720
Qy	241	LysThrAsnHisLeuGlnIle	247
Db	721	AAGACAAATCATTTTGCAAAAT	741

RESULT 2

US-09-898-554-19  
; Sequence 19, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 1092  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1) (1092)  
; OTHER INFORMATION:  
; NAME/KEY: misc\_Feature  
; OTHER INFORMATION: Isoform 1  
; US-09-898-554-19

Alignment Scores:  
Pred. No.: 3,59e-139 Length: 1092  
Score: 1241.00 Matches: 245  
Percent Similarity: 67.49% Conservative: 0  
Best Local Similarity: 67.49% Mismatches: 2  
Query Match: 94.09% Indels: 116  
DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-19 (1-1092)

Qy	1	MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly	20
Db	1	ATGACTTTTGTATGACAGATGAAGCTTCGGAATCAGGAGCTGATCAGAAAGTCATGTGGC	60
Qy	21	LysLysProLys	24
Db	61	AAGAAGCTTAAGAGTCTGCAATTTGCTTTCTTCCCATGGTGGTTCCTGCTGCTATGACT	120
Qy	24		24
Db	121	CTGGTATCTCTGCTGGTGTGTGTCAGTGACCCCTATTGTACAGTGGACACAATTACGC	180
Qy	24		24
Db	181	CAGGTATCTGACCTCTTAAACAATAACCAAGCGAACCTTACTCAGCAGGATCGTATCCTG	240
Qy	24		24
Db	241	GAAGGCGAGATGTAGCCCGCAGAGAGGCGAGAAAAACATTCACAGGAATCAAAGAAGGAA	300
Qy	24		24
Db	301	CTGAAGGAAGATAGACACCCCTCACCAGAGCTGAACGAGAAATCCAAAGAGCAGGAG	360
Qy	24		24
Db	361	GAGCTTCTACAGAAGAATCAGAACCTTCAAGAAGCCCTGCAAGAAGCTGCAAACTCTTCA	420
Qy	25	GluGluSerGlnArgGlnLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu	44
Db	421	GAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACCAATCACCAGGAAAGCTGGACGAG	480
Qy	45	LysSerLysGlnGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnGlnAlaLeuGln	64
Db	481	AAATCCAAAGCAGGAGGAGCTTCTGCAGATGATTCAGAACCTCCAAAGAGCCCTGCAG	540
Qy	65	ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu	84
Db	541	AGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTC	600
Qy	85	ThrLeuLysLeuAsnGlnLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn	104
Db	601	ACCTTGAAGCTGAACGAGAAATCAAAGAGCAGGAGGAGCTTCTTACAGAGAATCAGAAC	660

QY 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
DB 661 CTCCAAGAGCCTGCAAGAGCTGCAAACTTTTCAAGTCTTGTCCACAAGACTGGCTC 720  
QY 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144  
DB 721 TGGCATAAAGAAACTGTTACCTCTTCCATGGGCCCTTTAGCTGGGAAAAAACCAGGCAG 780  
QY 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnInLeuAsnGlyAlaAspLeuThrPhe 164  
DB 781 ACTGCCAATCTTGGTGCCAGTTACTACAAATTAATGGTGCGAGATCATCTGACATTC 840  
QY 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
DB 841 ATCTTACAAAGCAATTTCCCATACCACTCCCATCTTGGATTGCGATTGATCGGAAGAAG 900  
QY 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204  
DB 901 CTGGCCCAACCATGGCTATGGGAGAAATGGAATCTCTTTGAATTTTCAATTTTAAAGACC 960  
QY 205 ArgGlyValSerLeuGlnLeuTrpSerSerSerAsnCysAlaTrpLeuGlnAspGlyAla 224  
DB 961 AGGGGGGTTCTTTACAGCTATATTATCATCAGGCAACTGTGCATACCTTCAAGACGGAGCT 1020  
QY 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244  
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QY 245 LeuGlnIle 247  
DB 1081 TTGCAAAATT 1089

## RESULT 3.

US-09-870-759-141  
; Sequence 141, Application US/09870759  
; Patent No. US20020177551A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 870759  
; CURRENT APPLICATION NUMBER: US/09/870,759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 141  
; LENGTH: 3763  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Alignment Scores:  
Pred. No.: 2,17e-138 Length: 3763  
Score: 1241.00 Matches: 245  
Percent Similarity: 67.43% Conservative: 0  
Best Local Similarity: 67.49% Mismatches: 2  
Query Match: 94.09% Indels: 116  
DB: 10 Gaps: 1

US-09-898-554-14 (1-247) x US-09-870-759-141 (1-3763)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
DB 48 ATGACTTTTGTGACAAAGATGAAGCTGCGAATGACGAGCCTGATCAGAAATCATGTGTC 107  
QY 21 LysLysProLys----- 24  
DB 108 AAGAAGCCTAAAGGCTGCAATTTGCTTCTCCCAATGTTGGTTCCTCGTCTGCTATGACT 167

## RESULT 4

US-09-751-708A-141  
; Sequence 141, Application US/09751708A  
; Publication No. US2003015113A1

QY 24 ----- 24  
DB 168 CTGGTCATCTCTGCTGGTGTGTGTCAGTGACCCCTTATTGTACAGTGGACACAAATTACGC 227  
QY 24 ----- 24  
DB 228 CAGGTATCTGACCTCTTAAAAACAATACCAAGCGAACTTACTCTCAGCAGGATCGTATCCTG 287  
QY 24 ----- 24  
DB 288 GAAGGCGAGATGTTAGCCACAGAGGACAGAAAAAGCGTTTACAGGAATCAAGAGAAAGAA 347  
QY 24 ----- 24  
DB 348 CTGAAAGGAAAGATAGACACCTCCACCAGAAGCTGAATGAGAAATCCAAAGAGCAGCAG 407  
QY 24 ----- 24  
DB 408 GAGCTTCTACAGAAAGAAATCAGAACCTCCAAAGAACCTCGCAAGAGCTGCAAACTCTTCA 467  
QY 25 GluGlnSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu 44  
DB 468 GAGGAGTCCCAGAGAGAACTCAGGGAAGATAGACACCATCACCCCGGAAGCTGGACGAG 527  
QY 45 LysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
DB 528 AAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGAACCTCCAAAGAACCTCGCAG 587  
QY 65 ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
DB 588 AGAGCTGCAAACTCTTCCAGAGAGTCCAGAGAGAACTCAAGGGGAAAGATGACACCCCTC 647  
QY 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn 104  
DB 648 ACCTTGAAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAGAAAGATCAGAAC 707  
QY 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
DB 708 CTCCAAGAAAGCCCTGCAAGAGCTGCAAACTTTTCAGCTCTTGTCCACAAGACTGGCTC 767  
QY 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144  
DB 768 TGGCATAAAGAAACTGTTACCTCTTCCATGGGCCCTTTAGCTGGGAAAAAACCAGGCAG 827  
QY 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspLeuThrPhe 164  
DB 828 ACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCGAGATGATTGACATTC 887  
QY 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
DB 888 ATCTTACAAAGCAATTTCCCATACCACTCCCGTCTTGGATTGATTGATCGGAAGAAG 947  
QY 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204  
DB 948 CTGGCCCAACCATGGCTATGGGAGAAATGGAATCTCTTTGAATTTTCAATTTTAAAGACC 1007  
QY 205 ArgGlyValSerLeuGlnLeuTrpSerSerSerAsnCysAlaTrpLeuGlnAspGlyAla 224  
DB 1008 AGGGGGGTTCTTTTACAGCTATATTATCATCAGGCAACTGTGTCATACCTTCAAGACGGAGCT 1067  
QY 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244  
DB 1068 GTGTTTCGCTGAAACTGCATTTCTAATTGCTATTCAGCATATGTGAGAAAGACAAATCAT 1127  
QY 245 LeuGlnIle 247  
DB 1128 TTGCAAAATT 1136

## GENERAL INFORMATION:

1 APPLICANT: TERMAN, David S  
2 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
3 FILE REFERENCE: 751708  
4 CURRENT APPLICATION NUMBER: US/09/751,708A  
5 CURRENT FILING DATE: 2002-10-15  
6 PRIOR APPLICATION NUMBER: US 60/173,371  
7 PRIOR FILING DATE: 1999-12-28  
8 NUMBER OF SEQ ID NOS: 166  
9 SOFTWARE: PatentIn version 3.1  
10 SEQ ID NO 141  
11 LENGTH: 3763  
12 TYPE: DNA  
13 ORGANISM: Mus musculus  
14 FEATURE:  
15 NAME/KEY: CDS  
16 LOCATION: (48)..(1139)  
17 OTHER INFORMATION:  
18 US-09-751-708A-141

## Alignment Scores:

Pred. No.: 2,17e-138 Length: 3763  
Score: 1241.00 Matches: 245  
Percent Similarity: 67.49% Conservative: 0  
Best Local Similarity: 67.49% Mismatches: 2  
Query Match: 94.09% Indels: 116  
DB: 13 Gaps: 1

US-09-898-554-14 (1-247) x US-09-751-708A-141 (1-3763)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
DB 48 ATGACTTTTGAAGCAAGATGAGCTTCCGTAATCAGGAGCTGATCAGAGCTCAATGTCG 107  
QY 21 LysLysProLys----- 24  
DB 108 AAGAAGCTTAAAGTCTGCAATTGCTTCTCCCTCCCATGGTGGTTCCTGCTGCTATGACT 167  
QY 24 ----- 24  
DB 168 CTGCTCATCTCTGCTGGTGTGTGTCAGTGACCCCTTATTGACAGTGGACACAAATTACG 227  
QY 24 ----- 24  
DB 228 CAGGTATCTGACCTTTAAACAATACCAACGGAACCTTACTCAGCAGGATCGTATCTCTG 287  
QY 24 ----- 24  
DB 288 GAAGGCGAGATGTTAGCCAGCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 347  
QY 24 ----- 24  
DB 348 CTGAAGGAGAAAGATAGACACCTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 407  
QY 24 ----- 24  
DB 408 GAGCTTCTACAGAGATCAGAACTCTCAAGAGCCCTGCAAGAGCTGCAAACTCTTCA 467  
QY 25 GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu 44  
DB 468 GAGGAGTCCCAGAGAGAACTCAAGGAGAAAGATAGACACCATCATCCCGGAGCTGGACGAG 527  
QY 45 LysSerLysGluGlnGluGluLeuGluGlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
DB 528 AAATCCAAAGAGCAGGAGGAGCTTCTGAGATGATTCAGAACCTTCCAGAGGAGCCCTCGAG 587  
QY 65 ArgAlaAlaAsnSerSerGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
DB 588 AGAGCTGCAAACTCTTTCAGAGAGTCCAGAGAGAACTCAAGGAGAAAGATAGACACCTC 647  
QY 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluGluLeuLeuLysAsnGlnAsn 104  
DB 648 ACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTTACAGAGAAATCAGAAC 707

## RESULT 5

US-09-898-554-12  
Sequence 12, Application US/09898554  
Publication No. US20030068673A1

## GENERAL INFORMATION:

1 APPLICANT: TALL, ALAN R  
2 APPLICANT: WELCH, CARRIE L  
3 TITLE OF INVENTION: LIANG, CHEN-PING  
4 TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER:  
5 TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
6 FILE REFERENCE: 0575/64077  
7 CURRENT APPLICATION NUMBER: US/09/898,554  
8 CURRENT FILING DATE: 2001-07-02  
9 NUMBER OF SEQ ID NOS: 40  
10 SOFTWARE: PatentIn version 3.1  
11 SEQ ID NO 12  
12 LENGTH: 1192  
13 TYPE: DNA  
14 ORGANISM: Murinae gen. sp.  
15 FEATURE:  
16 NAME/KEY: misc feature  
17 OTHER INFORMATION: M-Isoform 1  
18 US-09-898-554-12

## Alignment Scores:

Pred. No.: 1.44e-135 Length: 1192  
Score: 1211.50 Matches: 245  
Percent Similarity: 61.71% Conservative: 0  
Best Local Similarity: 61.71% Mismatches: 2  
Query Match: 91.85% Indels: 150  
DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-12 (1-1192)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
DB 1 ATGACTTTTGAAGCAAGATGAGCTTCCGTAATCAGGAGCTGATCAGAGCTCAATGTCG 60  
QY 21 LysLysPro-Lys----- 24



Db 541 AGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCTC 600  
 Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn 104  
 Db 601 ACCTTGAAAGCTCAACAGAGAAATCCAAAGAGAGGAGGAGCTTCTACAGAAAGATCAGAAC 660  
 Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
 Db 661 CTCCAAGAAAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCTTGTTCACAAGATGCTC 720  
 Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144  
 Db 721 TGGCATAAAGAAACCTGTTACTCTCTCCATGGGCCCTTAGCTGGGAAAAAACCAGCAG 780  
 Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnLysAsnGlyAlaAspAspLeuThrPhe 164  
 Db 781 ACCTGCCAATCTTTGGGTGGCAGTTACTACAAATTAATGTGCAGATGATCTGACATTC 840  
 Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
 Db 841 ATCTTACAAGAAATTTCCATACACCTCCCGTTCTGGATGGATTGATTCATCGGAAGAAG 900  
 Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThr 204  
 Db 901 CCTGGCAACCATGGCTATGGAGAGTGAAGTCTCTTTGAATTTCAATTTCTTTAAGACC 960  
 Qy 205 ArgGlyValSerLeuGlnLeu-----TyrSerSerSerAsnCysAlaTyrLeu 220  
 Db 961 AGGGGCGTTCTTTTACAGCTACTCTCTTTGAATTTTCAATTC-----TTA 1005  
 Qy 221 GlnAspGlyAla---ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239  
 Db 1006 AGACGAGGGGCTTCTTTACAGCTAAACCTGCAATTCATTTGATTCAGCATATGTCAG 1065  
 Qy 240 LysLysThrAsnHisLeuGlnIle 247  
 Db 1066 AAGAAGACAAATCATTTGCAAAAT 1089

## RESULT 7

US-09-898-554-15  
 ; Sequence 15, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 15  
 ; LENGTH: 606  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(606)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 8  
 US-09-898-554-15

Alignment Scores:  
 Pred. No.: 2,01e-117 Length: 606  
 Score: 1057.00 Matches: 199  
 Percent Similarity: 80.57% Conservative: 0  
 Best Local Similarity: 80.57% Mismatches: 2  
 Query Match: 80.14% Indels: 46  
 DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-15 (1-606)  
 Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
 Db 1 ATGACTTTTTCATGACAAAGATGAAGCCTGCGAATGACGAGCTGATCAGAAGTCATGTGGC 60  
 Qy 21 LysLeuProLysGluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArg 40  
 Db 61 AAGAACCTTAA----- 72  
 Qy 41 LysLeuAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGln 60  
 Db 72 ----- 72  
 Qy 61 GluAlaLeuGlnArgAlaAlaAsnSerSerGluSerGlnArgGluLeuLysGlyLys 80  
 Db 73 -----GAGGAGTCCAGAGAGAACTCAAGGGAAG 102  
 Qy 81 IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGlnGluGlnGluLeuLeuGln 100  
 Db 103 ATAGACACCTCACCCTTGAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAG 162  
 Qy 101 LysAsnGlnAsnLeuGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysPro 120  
 Db 163 AAGAATCAGAACCTCCAGAGACCTTGCAAGAGCTGCAAACTTTTCAGTCTCTTGTCCA 222  
 Qy 121 GlnAspTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGlu 140  
 Db 223 CAAGACTGGCTTTGGCATAAAGAAACTGTTACTCTCTTCATGGGCGCTTTAGCTGGAA 282  
 Qy 141 LysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAsp 160  
 Db 283 AAAAACGGGAGACCTGCCAACTCTTTGGTGGCCAGTTACTACAAATTAATGTGCGAGAT 342  
 Qy 161 AspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeu 180  
 Db 343 GATCTGACATTCATCTTCAAGCAATTTCCCATACCACTCCCACTTCCTGGATTGGATTG 402  
 Qy 181 HisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGln 200  
 Db 403 CATCGGAAGAAGCCTGGCCAAACCATGGCTATGGAGAATGGAACCTCTTTGAATTTTCAA 462  
 Qy 201 PhePheLysThrArgGlyValSerLeuGlnLeuTrpSerSerSerSerSerSerSerSer 220  
 Db 463 TTTCTTTAAGACCAGGGCGCTTCTTTTACAGCTATATTCATCAGGCACTGTGCTATACCTT 522  
 Qy 221 GlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240  
 Db 523 CAAGACGGAGCTGTGTTGCTGAAAACTGCATTTCTAATTTGCATTTCAGCATATGTCAGAAG 582  
 Qy 241 LysThrAsnHisLeuGlnIle 247  
 Db 583 AAGACAAATCATTTGCAAAAT 603

## RESULT 8

US-09-898-554-28  
 ; Sequence 28, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 28  
 ; LENGTH: 721  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.



Db 452 AAGCTTCTGCAGCAGATCAGAACTCCAAAGAGCCCTGCAGAGAGCTGTGAACGCTTCA 511  
Qy 69 -----  
Db 512 GAGGAGTCCAAGTGGAACTGAAGGAACAAATAGACATTTCTCAACTGGAAGCTGAATGGG 571  
Qy 69 -----  
Db 572 ATATCCAAAGAGCAGAGGAGCTTCTGCAGCAGAACTCAGAACCTCCCAAGAGCCCTGCAG 631  
Qy 70 -----  
Db 632 AAAGCTGAGAAATATTCCAGAGAGTCCAGAGAGACTGAAGGAAACAGATAGACACCTC 691  
Qy 85 ThrLeuLysLeuAsnGluSerLysGluGlnGluLeuLeuLysAsnGlnAsn 104  
Db 692 AGCTGGAAGCTAAACGGAATCAAGAGAGCAGGAGGAGCTTCTGCAGCAGAACTCAGAA 751  
Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
Db 752 CTTCAAGAGCCCTGCAGAGAGCTGCAAACTCTTCAGGTCTCTTGTCCACAGAGCTGGATC 811  
Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144  
Db 812 TGGCATAAAGAAACTGTACTCTTCCATGGCCCTTTAACTGGGAAAGGTCGGAG 871  
Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnLeuAlaAspAspLeuThrPhe 164  
Db 872 AATTGCGCTATCTTTAGATGCCAGTTACTACAAATTAGTACCACAGATGATCTGAACCTC 931  
Qy 165 IleLeuGlnAlaIleSerHisThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
Db 932 GTCATTACAGCACTTCCATCCACTCCCTCCATTTTGGATGGGATACATCGGAAAT 991  
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThr 204  
Db 992 CCCAACCAACCCATGGCTATGGAGAACGGCTCTCTTTGAGTTTCAATCTTTAGGACC 1051  
Qy 205 ArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTyLeuGlnAspGlyAla 224  
Db 1052 AGGGCGCTTTCTTACAGATGACTCATCAGGCACCTGTGCATATATTTCAAGGAGGATT 1111  
Qy 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244  
Db 1112 GTGTTGCTGAAAAGTGCATTTTAACTGCATTCAGCATATGTCAGAAAGGCAAAATTTA 1171  
Qy 245 Leu 245  
Db 1172 TTG 1174

## RESULT 10

US-10-220-511-14  
; Sequence 14, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 14

; LENGTH: 3750  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: (1)..(91)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (92)..(1186)  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: (1187)..(3750)  
US-10-220-511-14  
Alignment Scores:  
Pred. No.: 4,69e-106 Length: 3750  
Score: 972.00 Matches: 192  
Percent Similarity: 59.56% Conservative: 23  
Best Local Similarity: 53.19% Mismatches: 30  
Query Match: 73.69% Indels: 116  
DB: 13 Gaps: 2  
US-09-898-554-14 (1-247) x US-10-220-511-14 (1-3750)  
Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
Db 92 ATGGCTTTTGTATGACAAAGATGAAGCCTGTGAATGGCCAGCCTGATCAGAAGTCATGTGGC 151  
Qy 21 LysLysProLys----- 24  
Db 152 AAGAAGCCTAAAGGGGTGCAATTTGCTTTCTCCACATGGTGGGCCCTGTGCTGTGACT 211  
Qy 24 ----- 24  
Db 212 CTGGCCATCCTTTTGCTTAGTGTATTATCAGTGACCCCTTATTGTACAGCAGACACAGTTACTC 271  
Qy 24 ----- 24  
Db 272 CAGGTATCTGACCTCTCTAAAGCAATACCAAGCAACCTTACTCAGCAGGATCATATCCTG 331  
Qy 25 -----GluGluSerGlnArgGlu 30  
Db 332 GAGGGGCAGATGTCAGCCCGAAGAAAGCAGAAATGCTTCAACAAGATCAAAGAGGAA 391  
Qy 31 LeuLysGlyLysIleAspThrIleThrArgLysLeuAspGluLysSerLysGluGlnGlu 50  
Db 392 CTGAAGGAAACAGATAGACACCTCTACCTGGAAAGCTAAACGAGAAATCCAAAGAGCAGGAG 451  
Qy 51 GluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnSer--- 69  
Db 452 AAGCTTCTGCAGCAGAACTCAGAACCTCCAAAGAGGCCCTGCAGAGAGCTGTGAACGCTTCA 511  
Qy 69 ----- 69  
Db 512 GAGGAGTCCAAGTGGAACTGAAGGAACAAATAGACATTTCTCAACTGGAAGCTGAATGGG 571  
Qy 69 ----- 69  
Db 572 ATATCCAAAGAGCAGAGGAGCTTCTGCAGCAGAACTCAGAACCTCCCAAGAGCCCTGCAG 631  
Qy 70 -----SerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
Db 632 AAAGCTGAGAAATATTTCAGAGGAGTCCAGAGAGAACTGAAGGAACAGATAGACACCTC 691  
Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuLysAsnGlnAsn 104  
Db 692 AGCTGGAAGCTAAACGGAATCCAAAGAGCAGGAGGAGCTTCTGCAGCAGAACTCAGAA 751  
Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
Db 752 CTTCAAGAGCCCTGCAGAGAGCTGCAAACTCTTTCAGGTCTCTTGTCCACAGAGCTGGATC 811  
Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144



```

Db      812 TGGCATAAAGAAACCTTTACCTCTCCATGGGCCCTTTAACTGGGAAAAAGTCGGGAG 871
Qy      145 ThrCysGlnSerLeuGlyGlnLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164
Db      872 AATGGCTATCTTTAGATGCCAGTTACTACAAATTAGTACCACAGATGATCTGAATTC 931
Qy      165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrrPileGlyLeuHisArgLysLys 184
Db      932 GTCTTACAAGCAACTTCCCATCCACCTCCCATTTTGGATGGGATTACATCGGAAAAAT 991
Qy      185 ProGlyGlnProTrrPleuTrrPleuGlnGlyThrProLeuAsnPheGlnPhePheLysThr 204
Db      992 CCCAACCCACCCATGGCTATGGGAGAACGCTCTCCTTTGAGTTTCAATTTCTTAGGACC 1051
Qy      205 ArgGlyValSerLeuGlnLeuTrrSerSerAsnCysAlaTrrLeuGlnAspGlyAla 224
Db      1052 AGGGGGTTCTTTTACAGATGACTCATCAGGCACCTGTGCATATATTCAGAGGAGATT 1111
Qy      225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244
Db      1112 GTGTTTGCTGAAACTGCAATTTAACTGCATTGAGCATATGTGAGAAGGCAAAATTTA 1171
Qy      245 Leu 245
Db      1172 TTG 1174

```

## RESULT 11

US-09-898-554-17

; Sequence 17, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 17

; LENGTH: 468

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(468)

; NAME/KEY: misc feature

; OTHER INFORMATION: Isoform 9

US-09-898-554-17

## Alignment Scores:

```

Pred. No.:      3,9e-88      Length:      468
Score:           812.00      Matches:      153
Percent Similarity: 61.94%      Conservative: 0
Best Local Similarity: 61.94%      Mismatches: 2
Query Match:      61.56%      Indels:      92
DB:              11          Gaps:         1

```

US-09-898-554-14 (1-247) x US-09-898-554-17 (1-468)

```

Qy      1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspClnLysSerCysGly 20
Db      1 ATGACTTTTGTGACAAAGATGAAGCCTGCGAATGACGAGCCTGATCAGAAAGTCATGTGCG 60
Qy      21 LysLysProLysGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArg 40
Db      61 AAGAAGCCTTAA----- 72
Qy      41 LysLeuAspGluLysSerLysGlnGlnGluLeuLeuMetIleGlnAsnLeuGln 60

```

Alignment Scores:

Pred. No.: 2,94e-77

Score: 723.00

Length: 621

Matches: 148

Db 72 ----- 72

Qy 61 GluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLys 80

Db 72 ----- 72

Qy 81 IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGln 100

Db 72 ----- 72

Qy 101 LysAsnGlnAsnLeuGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysPro 120

Db 73 -----GGTCTTGTCCA 84

Qy 121 GlnAspTrrPleuTrrHisLysGluAsnCysTrrLeuPheHisGlyProPheGlyTrrPleu 140

Db 85 CAAGACTGGCTCTGGCATTAAGAAACCTGTACCTCTTCCATGGGCCCTTTAGCTGGGAA 144

Qy 141 LysAsnArgGlnThrCysGlnSerLysGlyGlnLeuGlnIleAsnGlyAlaAsp 160

Db 145 AAAAACCGGACAGACTGCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTCAGAT 204

Qy 161 AspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrrIleGlyLeu 180

Db 205 GATCTGACATTCATCTTACAAGCAATTTCCCATACCCTCCCAATCTGGATTGGATG 264

Qy 181 HisArgLysLysProGlyGlnProTrrPleuTrrGluAsnGlyThrProLeuAsnPheGln 200

Db 265 CATCGAAGAAAGCTGGCCAAACCATGGCTATGGGAGATGGAATCTCTTGAATTTCAA 324

Qy 201 PhePheLysThrArgGlyValSerLeuGlnLeuTrrSerSerSerAsnCysAlaTrrLeu 220

Db 325 TTTCTTAAGACACAGGGGGCTTTCTTACAGCTATATTCATCAGGCAACTGTGCATACCTT 384

Qy 221 GlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240

Db 385 CAAGACGGAGCTGTGCTCGCTGAAAACCTGCATTCATTAATGTCATTCAGCATATGTCAGAAG 444

Qy 241 LysThrAsnHisLeuGlnIle 247

Db 445 AAGACAATCATTTTGCAAAAT 465

## RESULT 12

US-09-898-554-25

; Sequence 25, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHE

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 25

; LENGTH: 621

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(621)

; OTHER INFORMATION:

; NAME/KEY: misc feature

; OTHER INFORMATION: Isoform 4

US-09-898-554-25

```
Percent Similarity: 76.92% Conservative: 12
Best Local Similarity: 71.15% Mismatches: 23
Query Match: 54.81% Indels: 26
DB: 11 Gaps: 3

US-09-898-554-14 (1-247) x US-09-898-554-25 (1-621)
Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTATGACAAAGTGAAGCCTCGAATGACGAGCCTGATCAGAAGTCAATGTGGC 60
Qy 21 LysLysProLysGlu-----Glu 26
Db 61 AAGAGCCTAAAGG-TCTGCATTGCTTTCTTCCCATGGTGGTTCCCTGCTGCTATGAC 119
Qy 27 SerGlnArgGluLeuLysGly-----LysIleAspThrIleThr 39
Db 120 TCTGTCATCTCTGCTGCTGGTGTGTCAGTACGCCCTTATTGTACAGTGGACACAAATTACG 179
Qy 40 ArgLysLeu-AspGluLysSerLysGluGlnGluLeuLysGln-----MetI 56
Db 180 CCAGGTATCTGACCTCTTAAACATACCAAGCGAACCTTACTCAGCAGGATCGTATCCT 239
Qy 56 eGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAsnSerSerGluGluSerGlnArgG 76
Db 240 GGAAGGCAGATGTTAGCCCGACAGAGAGCGAGAAACACTTCACAGGNATCAAGAAGGA 299
Qy 76 uLeuLysGlyLysIleAspThrLeuThrLeuLysLeuAsnGlnLysSerLysGluGln 96
Db 300 ACTGAAGGAAAGATAGACACCTCACCAGAGCTGAACGAGAAATCCAAAGAGCAGGA 359
Qy 96 uGluLeuLysGlnLysAsnGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAsnPhe 116
Db 360 GGAGCTCTTACAGAGAATCAGAACCTCCAGAGAGCCCTGCAAGAGAGCTGCAAACTTTC 419
Qy 116 rGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyPr 136
Db 420 AGTCTTGTCCACAGACTGGCTCTGCATTAAGAAACTGTACCTCTTCATGGGCC 479
Qy 136 oPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuGlnI 156
Db 480 CTTTGTAGCTGGGAAAAAACCCGCGACAGCTGCGCAATCTTTGGTGGCCAGTTACTACAA 539
Qy 156 eAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPh 176
Db 540 TAATGGTCAGATGATCTGCATTCATCTTACAGCAATTTCCCATACCACTCCCGCTT 599
Qy 176 eTrpIleGlyLeuHisArgLys 183
Db 600 CTGAGTGGATTGCATCGGAAG 621

RESULT 13
US-09-898-554-21
; Sequence 21, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 773
; TYPE: DNA
; ORGANISM: Murinae gen. sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(174)

; OTHER INFORMATION:
; NAME/KEY: misc feature
; OTHER INFORMATION: Isoform 2
US-09-898-554-21

Alignment Scores:
Pred. No.: 1-63e-73 Length: 773
Score: 693.00 Matches: 154
Percent Similarity: 80.31% Conservative: 1
Best Local Similarity: 59.92% Mismatches: 3
Query Match: 52.54% Indels: 101
DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-21 (1-773)
Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTATGACAAAGTGAAGCCTGCGAATGACGAGCCTGATCAGAAGTCAATGTGGC 60
Qy 21 LysLysProLys----- 24
Db 61 AAGAGCCTAAAGCTGTCATTTCTTCCCATGGTGGTTCCCTGCTGCTATGACT 120
Qy 24 ----- 24
Db 121 CTGGTCATCTCTGCTGCTGGTGTGTCTAGTCACCCCTTATTGTACAGTGGACACAATGATCG 180
Qy 24 ----- 24
Db 181 TATCTTGAAGGCGAGATGTTAGCCCGACAGAGAGGCGAGAAACACACTTCACAGGAATCAAA 240
Qy 24 ----- 24
Db 241 GAAGGAACCTGAAAGGAAAGATAGACACCTCTCACCAGAGAGCTGACAGAAATCCAAAGA 300
Qy 24 ----- 24
Db 301 GCAGGAGGAGCTTCTACAGAGAATCAGAACCTCCAGAACGCCCTGCAAGAGAGCTGCAAA 360
Qy 25 -----GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLe 42
Db 361 CTCTTTCAGAGGAGCTCCAGAGAGACTCAAGGAAAGATAGACACCATCACCCTGGAAGCT 420
Qy 42 uAspGluLysSerLysGlnGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnI 62
Db 421 GGACAGAAATCCAAAGAGCGGAGAGCTTCTGCGAGATGATTCAGAACCTCCAGAGAGC 480
Qy 62 aLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAs 82
Db 481 CCTGCAGAGAGCTGCAAACTCTTTCAGAGGAGTCCAGAGAGAACTCAAGGAAAGATAGA 540
Qy 82 pThrLeuThrLeuLysLeuAsnGlnLysSerLysGluGlnGluLeuLysGlnLysAs 102
Db 541 CACCCCTCACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGAGCTTCTCAGAGAGAA 600
Qy 102 nGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAs 122
Db 601 TCAGAACCTCCAAAGAGCCCTGCAAGAGCTGCAAACTTTTCAGTCTTGTCCACAGA 660
Qy 122 pTrpLeuTrpHisLysGlnAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAs 142
Db 661 CTGGCTCTGCGATAAAGAAACTGTTTACCTCTTCCGTCGGGCCCTTTTAC-TGGGAAAAAG 719
Qy 142 nArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGly 158
Db 720 CCGCGAGACCTGCCAATCTTTTGGGTGGCAG-TTACTACAAATTAATGGG 767

RESULT 14
US-09-898-554-27
; Sequence 27, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
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; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 712
; TYPE: DNA
; ORGANISM: Murinae gen. sp.
; NAME/KEY: misc feature
; OTHER INFORMATION: Isoform 5
US-09-898-554-27

Alignment Scores:
Pred. No.: 1,17e-69 Length: 712
Score: 660.50 Matches: 149
Percent Similarity: 72.97% Conservative: 13
Best Local Similarity: 67.12% Mismatches: 23
Query Match: 50.08% Indels: 42
DB: 11 Gaps: 6

US-09-898-554-14 (1-247) x US-09-898-554-27 (1-712)

Qy 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTGACAAAGTGAAGCTCGAATGACGAGCTGATGAGAAATCATGTGGC 60
Qy 21 LysLysProLysGlu-----Glu 26
Db 61 AAGAAGCTAAAGG-TCTGCAATTGCTTTCTCCCATGGTGTTCCTGCTGCTATGAC 119
Qy 27 SerGlnArgLysGly-----LysIleAspThrIleThr 39
Db 120 TGTGGTCATCTCTGCTGCTGTTGTGTCAGTGACCTTATTGTACAGTGACACAATGAT- 178
Qy 40 ArgLysLeuAspLysSerLysGluGlnGluGluLeuLeuGlnMetIleGlnAsnLeu 59
Db 179 CGTATCTCTGAAGG-----CAGATGTA-----202
Qy 60 GlnGluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLysGly 79
Db 203 -----GCCAGCAGAGGAGCAAAACACTTCACAGGATCAAGAGGAACTGAAAGGA 256
Qy 80 LysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGlnGlnGluGlnLeuLeu 99
Db 257 AAGATAGACACCTCCACCCAGAGCTGAACGAC---TCCAAAGAGCAGGAGGAG---CTA 310
Qy 100 GlnLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCys 119
Db 311 CACCCCCC-CCGAACCTCCAGAGCCCTGCAAGAGCTGCAAAAGCTTCCTCAGTCTCTGT 369
Qy 120 ProGlnAspTrpLeuTrpHisLysGluAsnCysTyrLeuPheHisGlyProPheGlyTrp 139
Db 370 CCACAAGACTGGCTCTGGCATAAAGAAACTGTACTCTTCCATGGGCCCTTTAGCTGG 429
Qy 140 GluLysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuGlnIleAsnGlyAla 159
Db 430 GAAAAAACCAGCAGACCTGCCAACTTTTGGGTGGGCGAGTTACTACAAATTAATGGTGA 489
Qy 160 AspAspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGly 179
Db 490 GATGATCTGACATTCATCTTACAGCAATTTCCCATACCCTTCCCTTCCTTGGATTGGA 549
Qy 180 LeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe 199
Db 550 TTGCATCGAAGAGCCTGGCAA-CCATGGGTATGGGAGATGGACT-TCCTTGAATTTT 607
Qy 200 GlnPhe 201

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Db 608 AATTTT 613
RESULT 15
US-10-220-511-10
; Sequence 10, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yuko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver: 2.1
; SEQ ID NO 10
; LENGTH: 1514
; TYPE: DNA
; ORGANISM: Oryctolagus cuniculus
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)..(29)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (30)..(866)
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (867)..(1514)
US-10-220-511-10

Alignment Scores:
Pred. No.: 4,44e-67 Length: 1514
Score: 643.00 Matches: 135
Percent Similarity: 63.50% Conservative: 39
Best Local Similarity: 49.27% Mismatches: 70
Query Match: 48.75% Indels: 30
DB: 13 Gaps: 6

US-09-898-554-14 (1-247) x US-10-220-511-10 (1-1514)
Qy 1 MetThrPheAspAsp---LysMetLysProAlaAsnAspGluProAspGlnLysSerCys 19
Db 42 ATGCTGTTGACGACCTCAAGTCAAGCCCAAGGACCAAGCAGCTGATCAGAAGTCGAAT 101
Qy 20 GlyLysLysProLysGluGluSerGlnArgGluLeuLys-----32
Db 102 GGGAGAAACCTAAA-----GGTCTCGTTTCTTCTTCTCGGTGGTGCCAGCT 155
Qy 33 -----GlyLysIleAspThrIleThrArg-----40
Db 156 GCTGTGCTCTCGAGTCTCTTTGCTGGGATCATGATGACCATTAATATCTGGGGATG 215
Qy 41 -----LysLeuAspGluLysSerLysGlnGluGluLeuGlnMetIleGln 57
Db 216 CAATTATTCAGGATCTGACCTCTTAAGCAACAGCAGCAAAACCTCACTCTGCAGGAG 275
Qy 58 AsnLeuGlnGlu-----AlaLeuGlnArgAlaAlaAsnSerSerGluGluSer 73
Db 276 AATATCTGGAGGACAGGCTTAGCCAGCAGCAGCAGGAGCAGCTTCCAGAGTCA 335
Qy 74 GlnArgGluLeuLysGlyLysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLys 93
Db 336 CAAAGGGAACCTCAAAGAAATGATAGAACTCTTCCCAAGAGGCTGGATGAAAAATCCAAA 395

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Qy 94 GluGlnGluGluLeuLeuGlnLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla 113
Db 396 AAGCAAAATGGAACCTTAACCATCTGTAATCTCCAAAGAGGCTCTGAAGAGAAATGGAC 455
Qy 114 AsnPheSerGlyProCysProGlnAspTyrPheHisLysGluAsnCysTyrLeuPhe 133
Db 456 AACTTTCAGTCTCTGTCGAGACATGGCTCTGGCATGGAAAAAACTGTTATCTGTTT 515
Qy 134 ---HisGlyProPheGlyTyrGluLysAsnArgGlnThrCysGlnSerLeuGlyGln 152
Db 516 TCCTCTGGATCATTTAATTGGGAAAGTAGTCAAGAGAAATGCTGCTTTGGATGCCAG 575
Qy 153 LeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIleSerHisThr 172
Db 576 TTATTGAAATTAACAGACAGAGATCTGGGCTTCATCCAGAGGAGCTTCCCATTC 635
Qy 173 ThrSerProPheTyrIleGlyLeuHisArgLysLysProGlyGlnProTyrLeuTyrGlu 192
Db 636 AGCTTCCCATCTGGATGGGATGTCTCGAGGAAACCCGACTACTCATGGCTCTGGAA 695
Qy 193 AsnGlyThrProLeuAsnPheGlnPhePheLysThrArgGlyValSerLeuGlnLeuTyr 212
Db 696 GACGGTTCTCCTCTGATGCCCACTTGTTCAGATTCCAGGGTGCTGTTTCCAGAGGTAC 755
Qy 213 SerSerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeu 232
Db 756 CCTTCAGGCACCTGTGCATATATACAGAGGGAATGTTTTGCTGAGAACTGCATTTA 815
Qy 233 IleAlaPheSerIleCysGlnLysLysThrAsnHisLeuGln 246
Db 816 GTTCATACAGTAICTGTTCAGAGAGGCAATCTGCTGACA 857
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Search completed: December 19, 2003, 01:39:00  
Job time : 327 secs